

Lamello

Catalogue

2022/2023

english



*Connects.
Inspires.*

*« Lamello's system solutions
are synonymous with
quality, innovation and
excellent functionality,
and are used across the
globe where they have
proven their worth
millions of times over! »*

Susanne Affolter, Managing Director and Owner at Lamello AG



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Without waiting time, clamps, or secondary processes, glued and clamped in 40 seconds	
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Lamello System 66 – 107

The original for efficient,
intuitive and precise joints

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Unique drilling systems for high demands on productivity and aesthetics

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*Together,
dynamic
and reliable*





*Far-reaching.
Close to home.*





At home right across the globe.

We enjoy supporting you with our international sales network consisting of four subsidiaries, distributors in 50 countries and more than 400 sales partners worldwide. As such we are available locally for our customers anywhere and at any time, be it for individual advice, training or services.



Headquarter:

- Switzerland

Subsidiaries:

- Belgium/France/Netherlands
- Germany
- Italy
- Austria

Markets with Lamello sales representatives:

- England
- Eastern Europe
- Spain
- Southeast Europe

We are here for you!

Personal consultation

Do you have any questions concerning our products or a certain application? Would you like to learn more about the process benefits for your business? Our qualified employees and sales partners will be happy to help you quickly and competently, whether by telephone, online or during a personal consultation on site.



Latest news

Stay up-to-date and sign up for our Lamello News and e-newsletter. Become part of the Lamello community on social media and be inspired, or visit our stand at one of the numerous trade fairs. We are always happy to hear from you.

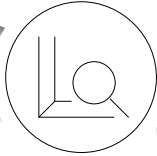


Our services

Quality is one of the cornerstones of our business, and so our products are designed to last. If a repair is necessary, we can offer you uncomplicated service through our certified Lamello service partners and a spare parts warranty of at least 10 years.



Support in your planning



With the connector search and the P-System configurator on our website, you can quickly find the right connector for your design and requirements. With CAD data for our connectors, tips and tricks, as well as videos about the wide range of applications, we can guide and support you in your planning on our website and on the Lamello YouTube channel.

P-System configurator

Joining situation:



Angle α (°)

60

Material thickness W1 (mm)

16

Material thickness W2 (mm)

16

Qualified sales partners



Our professional and committed sales partners provide you with qualified advice, always keeping you informed about new products. This way, you can see the benefits of our products first hand.

Competent planning and machining partners



From planning and design to the right milling tool and machining with the CNC machine: more than 40 industry-leading partner companies support the efficient use and integration of our products into your production.

Looking back. Thinking ahead.

Every milestone starts with an idea. However, revolutionary ideas do not just come about easily. It is only through many years of practical knowledge and intensive development working together with our

customers that we have been able to constantly come up with new solutions, and in so doing decisively shape the market for wood joining technology and wood processing to this day.

1969

Founding of Lamello AG
under the leadership
of company founder
Hermann Steiner

1970

Invention:
Wood repair system

1981

Invention:
Tanga 150,
window cutter

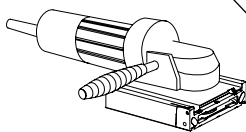
1968

Invention:
First hand-operated
Lamello biscuit joiner



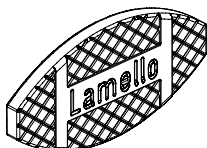
1958

Invention:
First stationary Lamello
biscuit joiner LO1



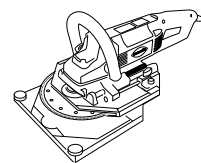
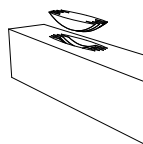
1955

Lamello System
invented by
Hermann Steiner



1944

Joinery founded
by Hermann Steiner
in Liestal

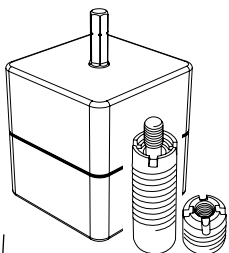


2001

Invention:

Invis

Interzum award

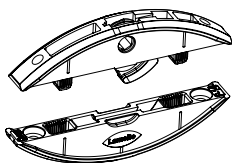


2009

Invention:

Clamex P

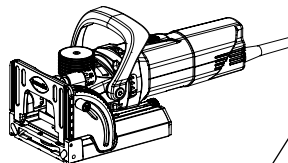
Interzum award



2010

Invention:

Zeta, power tool for
the P-System

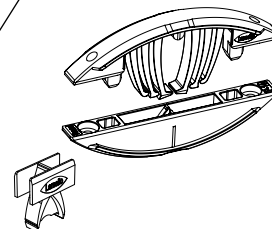


2013

Invention:

Tenso P-14

Interzum award

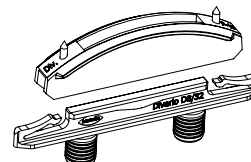


2015

Invention:

Divario P-18

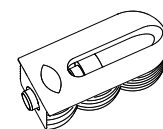
Interzum award



2017

Invention:

Cabineo CNC connector

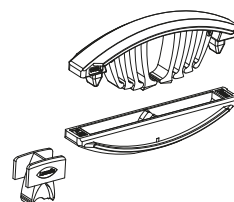


2019

Invention:

Tenso P-10

Interzum Award

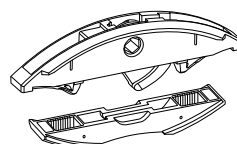


2020

Invention:

Clamex P-14/10 Flexus

Interzum award



In the centre: the customer

Lamello AG products are distributed and utilised globally. Cabinet makers, joiners, furniture manufacturers, carpenters, shop-fitters, furniture designers, kitchen manufacturers and many more have been using and relying on the innovative system solutions from Bubendorf for years. Some of these are longstanding business partners, who will be sharing some of their experiences with us. We appreciate the trust that we are met with and thank all our customers for the good teamwork.

Nils Ingwersen

Process Planning Manager

Carpentry Mario Beck, Hamburg, Germany

«Our customers are frequently enthusiastic about the rapid assembly when using the P-System.»

Roger Schneider

Site Manager, Tschudin AG, Münchenstein, Switzerland

«The Tenso has the advantage that it does not require any access holes, because it is self-clamping. This makes it the ideal connector for glued furniture without the use of additional screw clamps.»



Hannes Kofler

Owner and Managing Director, Joinery workshop Kofler, St. Felix, Italy

«We previously lacked the right fitting for this application. The Clamex P-14/10 Flexus solved this problem. The connector came exactly at the right time, and has filled this gap very much to our satisfaction.»

Jeffrey De Smet

Self-employed carpenter, Artisanal interior furniture maker, Belgium

«One day a customer placed an order for me to build a staircase, and I was looking for an easy-to-use system that saved me time and enabled me to work independently. With Tenso, all you have to do is to glue it, put the parts together and you're ready to go.»

Andreas Kuhlmann

Managing Director, Adolf Kuhlmann furnishing workshops, Schwerin, Germany

«Lamello is an asset to us because it allows us to expand our possibilities.»

John Hampton

Production Manager, Artichoke, Somerset, England

«Artichoke's pursuit of enhanced quality and improved efficiency has led it to the door of Swiss fixings specialist, Lamello.»

Günther Schweiger

Speedmaster Managing Director, Eberstälzell, Austria

«For us, the P System is the most innovative connector solution to have emerged in recent years.»





Joining technology with 3 systems



P-System

The **P-System** from Lamello is an innovative and award-winning joining method. Clamex, Tenso and Divario connecting fittings make an entirely new level of flexibility, speed and simplicity possible throughout the design, manufacturing, transport and installation process.

The connector's installation and anchorage system is based on the P-System profile groove. The P-System groove for the connector can be cut either using modern CNC technology or very simply by hand using the Zeta P2 power tool from Lamello.



Lamello System

The **Lamello System** is an exceptionally efficient, simple and precise joining system for various materials. It is based on a 4 mm groove and offers an enormous variety of joining solutions. The original wood biscuit has been supplemented by the self-clamping element, the clamping element and transparent plastic



Drilling System

element for solid surface materials. The same applies to the Simplex and Clamex S-18 detachable connectors. These can be easily assembled and disassembled. All connectors can be machined with the biscuit joiners Classic X, Top 21 and Zeta P2.

The **Cabineo** is a one-piece furniture connector and is installed into a drilled or routed shape. No edge drilling is necessary – the machining happens solely in the surface. Due to this, Cabineo can be used with all kinds of CNC machines, including very simple 3-axis and nesting machines.

Invis Mx2 is the unique connection that satisfies the highest demands for aesthetics, stability and productivity. With no visible openings, Invis Mx2 can be quickly detached and reconnected at any time via its magnet drive.

Our strengths



Inventive & imaginative

We are connected by the desire to succeed and a passion for new tasks and inventions. We strive to remain recognised as a leader in innovation and to overcome technological limits time and again.





Independent & self-determined

In expanding our business, we constantly adapt to changing requirements. This helps us secure the long-term independence of our family company – it is a key element to maintaining our financial autonomy.



Personal & unconstrained

As a family company, we cultivate a culture of appreciation. We encourage initiative in our employees and support them in taking on new responsibilities. In striving for improvement we always look for fast and pragmatic solutions.



First-class & flawless

Quality is the cornerstone of what we do – from making the wood biscuits to global delivery – it sets our company apart. To this end we are continually furthering our knowledge and optimising our internal working processes.



Systems

- P-System
- Lamello System
- Drilling System

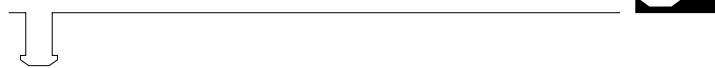
Overview

P-System

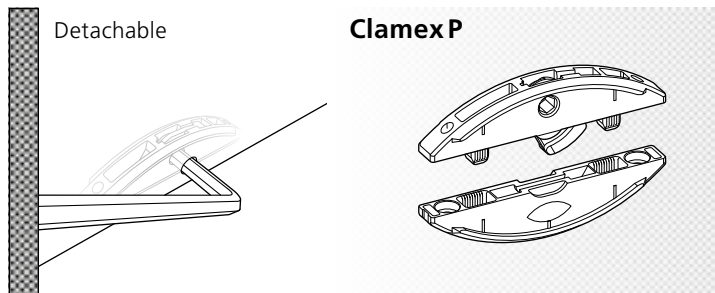
Joining methods

Connector

With P-System groove cutter

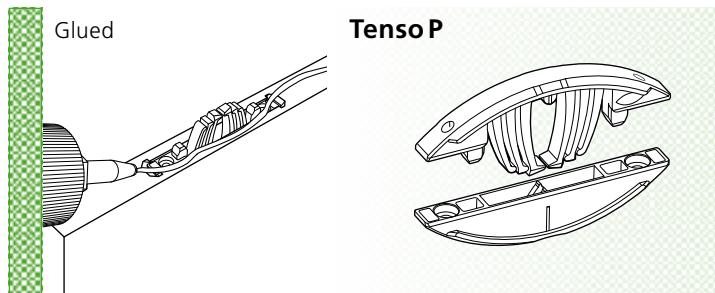


Detachable



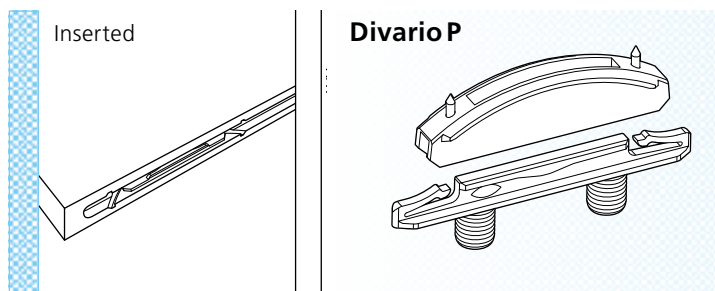
Clamex P

Glued



Tenso P

Inserted

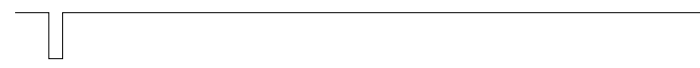


Divario P

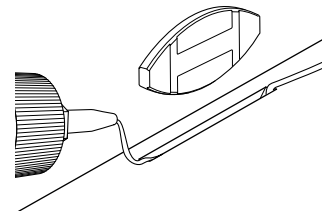
Lamello System

Joining methods

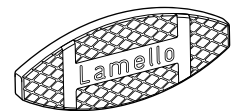
With 4 mm Lamello System groove cutter



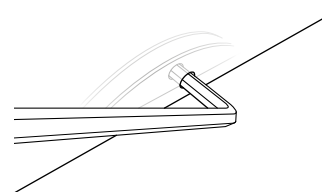
Glued



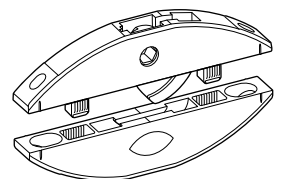
Original wood biscuit



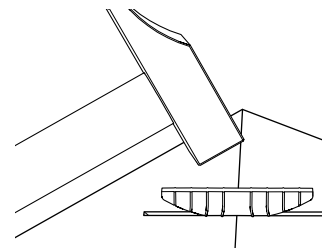
Detachable



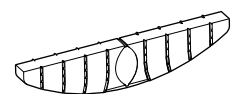
Clamex S-18



Inserted



E20



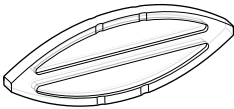
Connector



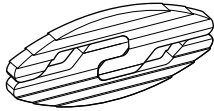
Drilling System	
Joining methods	Connector



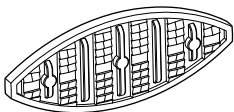
C20



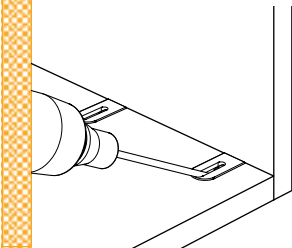
Simplex



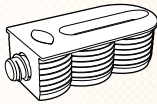
K20



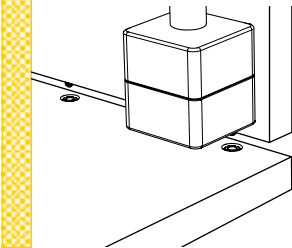
Detachable



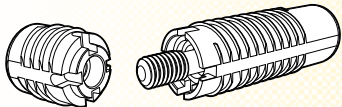
Cabineo



Detachable



Invis Mx2



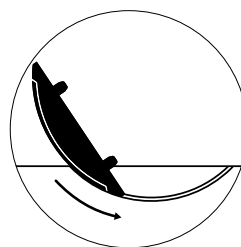
P-System

The time-saving joining system
with form-locking anchoring

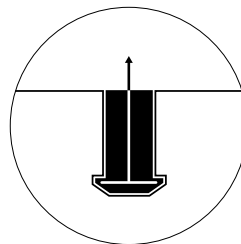




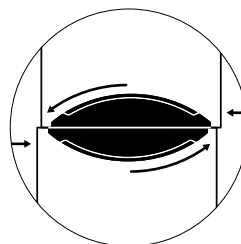
Features



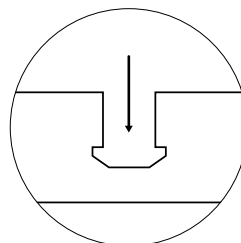
Fast installation
Inserting instead of
screwing or glueing



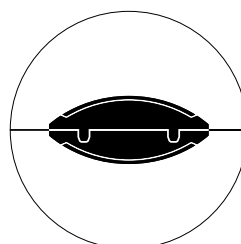
Strong
Form-locking
anchorage across
large surface areas



Lateral tolerance
Perfect, flush
alignment of both
workpieces



Shallow depth
Minimal cutting
depth with maximum
tensile strength

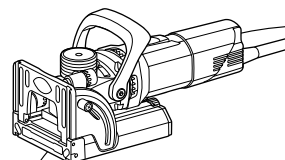
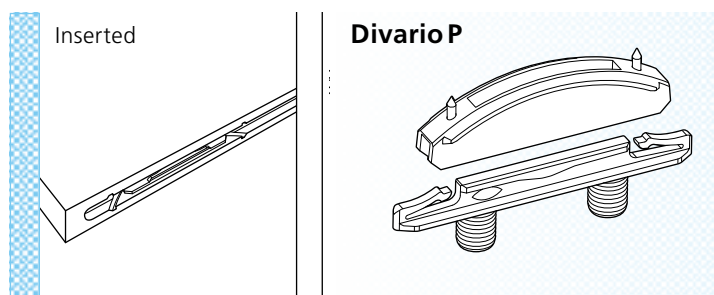
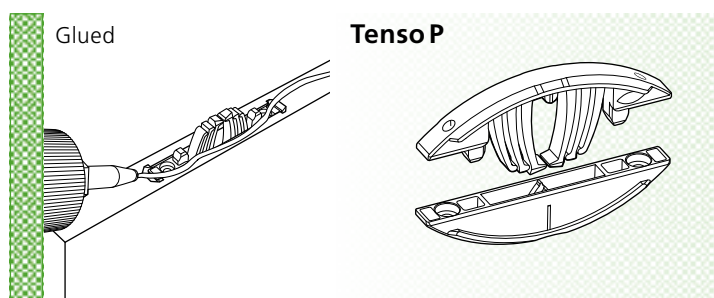
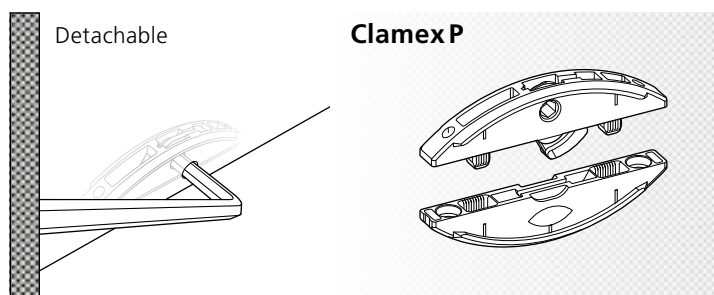


No twisting
The positioning
pins prevent
twisting without
additional dowels

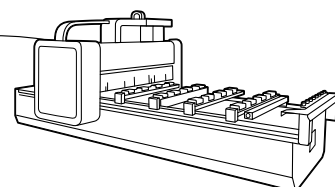
P-System

Overview

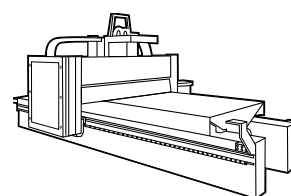
Joining methods	Connector	Machines	
		Power tool	CNC machines



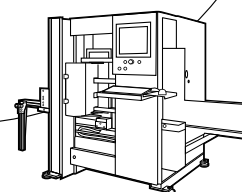
Zeta P2
Biscuit joiner



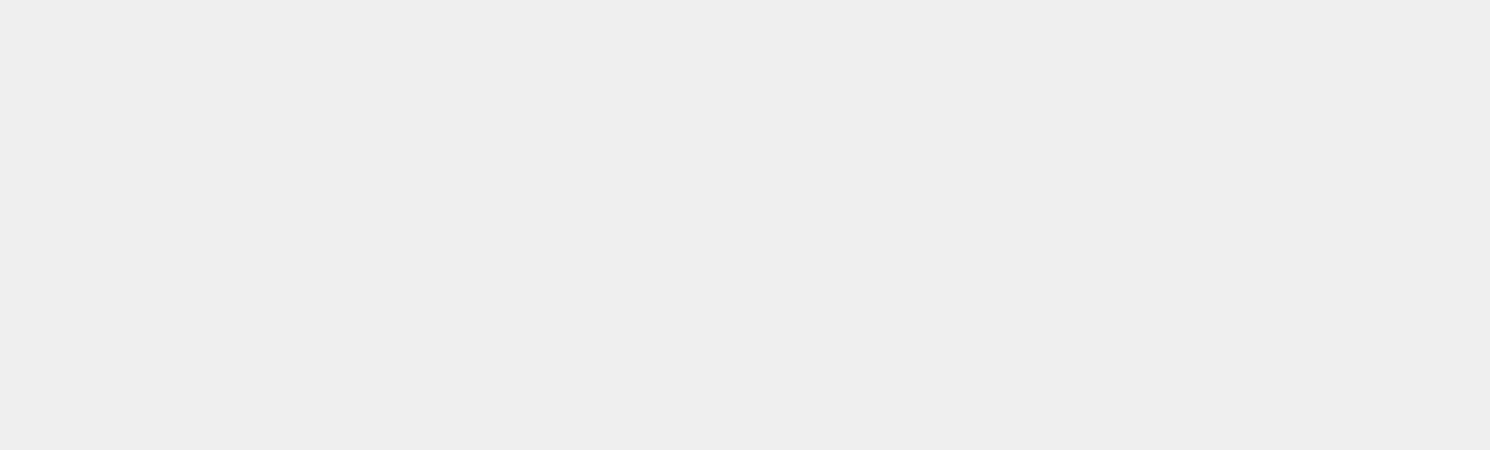
CNC processing centres
with **consoles**



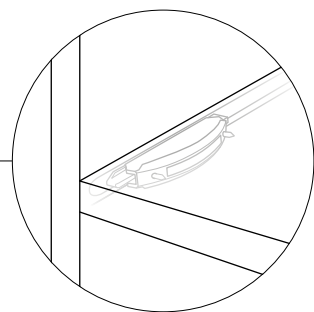
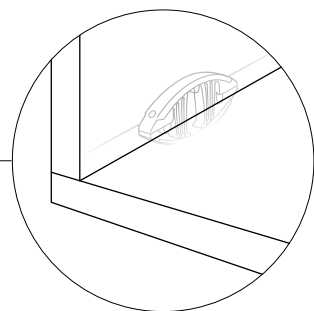
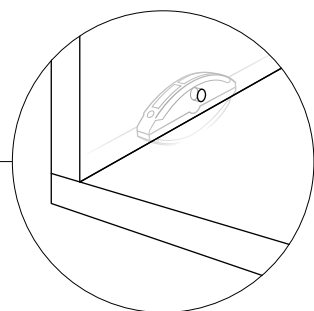
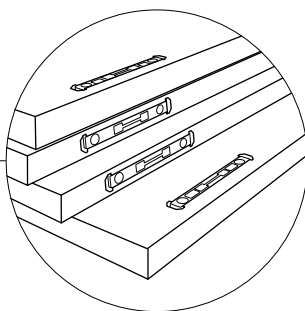
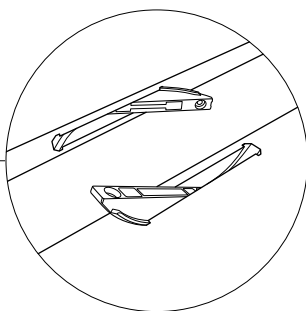
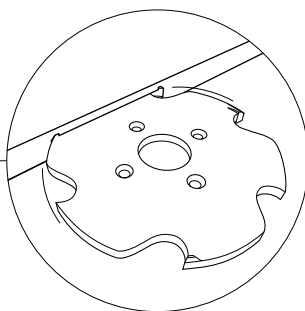
CNC processing centres
with **nesting technology**




CNC processing centres
vertical



Sequence				
	1 Cut	2 Insert the connector	3 Deliver flat pack	4 Connect the workpieces



A person's hands are shown holding a black, L-shaped Lamello Flexus connector. The background is a blurred workshop or factory floor with various equipment and structures.

« The Flexus is a logical addition to the P-System range. We are always inspired anew by how reliably Lamello tailors its products to customer needs, and are happy to be part of the Lamello family. »

Hannes Kofler, Owner and Managing Director, Joinery workshop Kofler, Italy



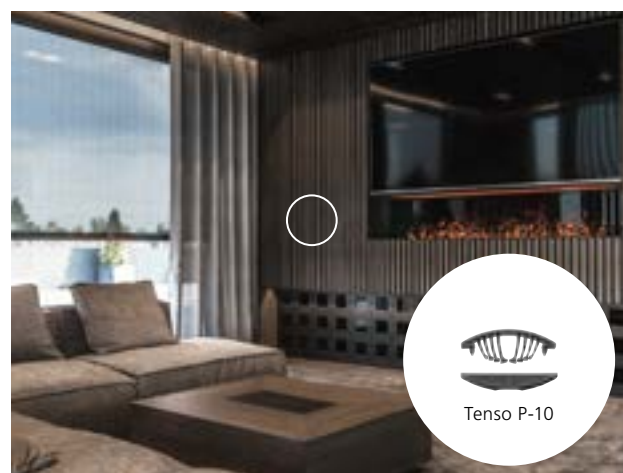
P-System

Applications

Furniture manufacturing



Interior fitting



P-System

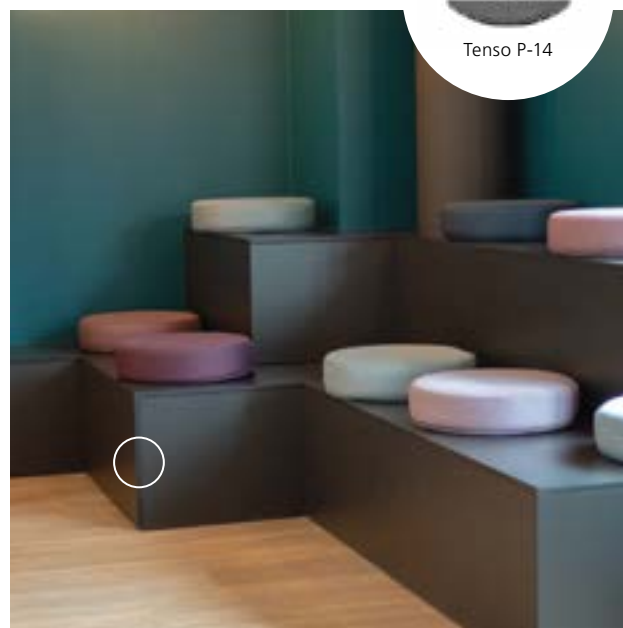
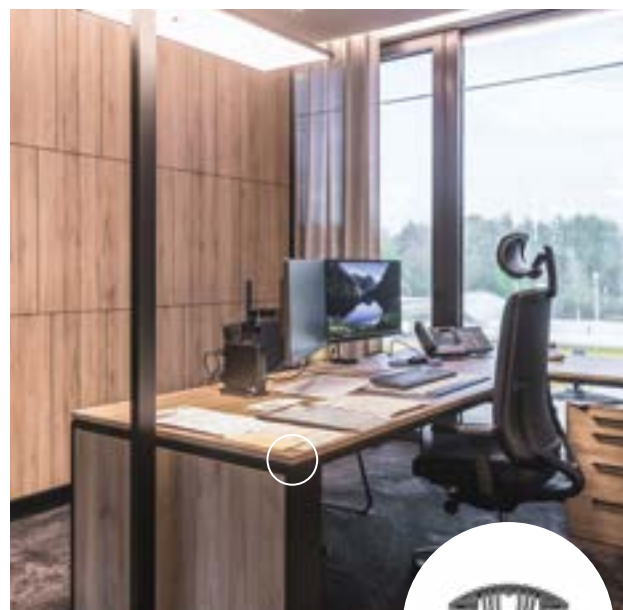
Applications

Kitchen manufacturing



Clamex P-14

Commercial joinery



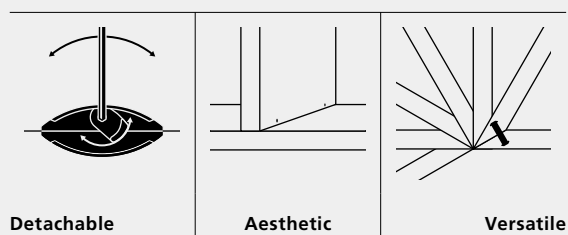
Shop fitting

Clamex P-14

Detachable furniture connector



Features



Clamex P-14 is a detachable connector and is anchored in the form-locking P-System groove within seconds.

Through the minimalist 6 mm access hole, Clamex P-14 is firmly connected and disconnected using a lever.

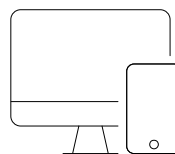
Clamex P-14 eliminates the need for glue, allows aesthetic joints at all angles and is ideal for permanently joined or detachable mitres. Clamex P-14 is used on mitre joints from 18 mm material thickness and in butt joints from 15 mm.

Articles



Clamex P-14	Art. No.
80 pairs	145334
300 pairs	145346
1000 pairs	145356
2000 pieces element with lever	145338
2000 pieces element without lever	145339

www.lamello

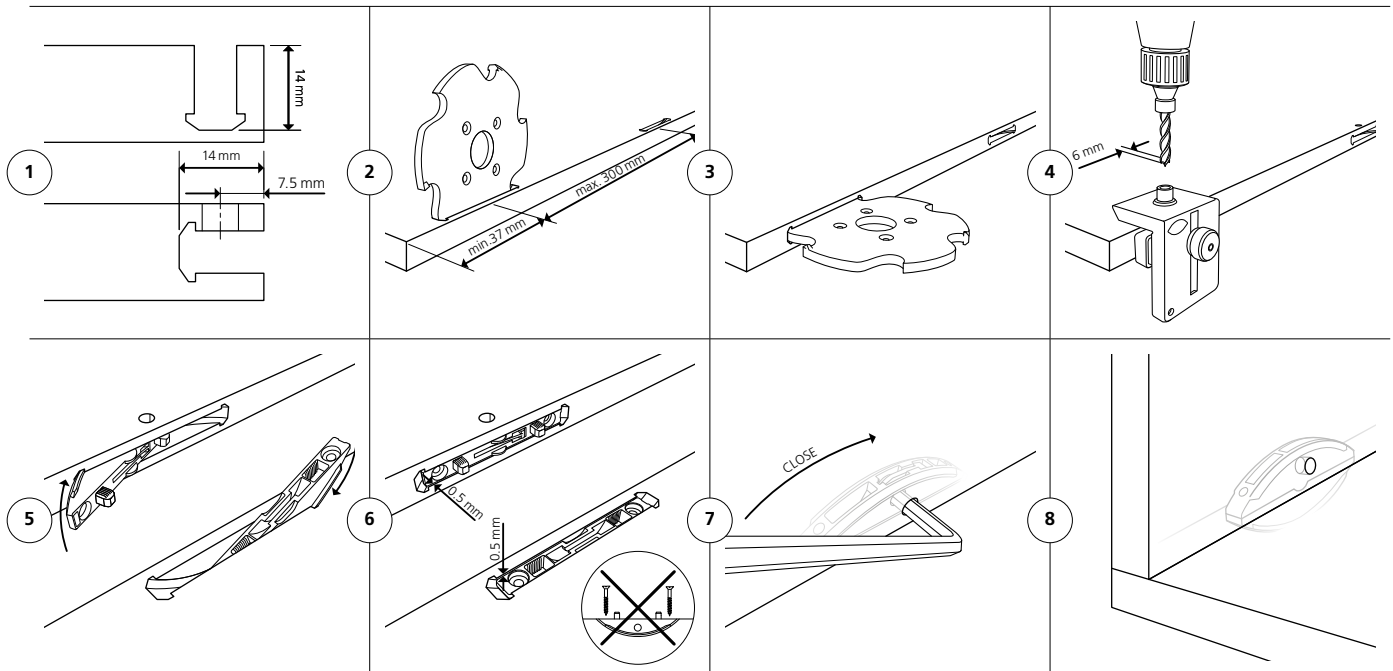


Experience the connector live and receive comprehensive product information!





Function



Technical data

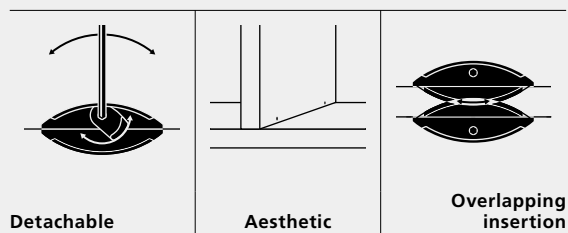
Joining methods 	Size	64 × 27 × 9.7 mm		
	Cutter	Ø 100.4 × 7 × Ø 22 mm		
	Material connector	Fiberglass reinforced plastic		
	Material of lever	Zinc die cast		
	Installation tolerance	Long. ± 1 mm/radial ± 1 mm		
	Tensile strength (N) Up to	MDF 900 ¹	Particle board 800 ¹	Beech 1000 ¹
	Material range	Particle board, MDF, plywood, softwood, hardwood etc.		

Clamex P-14/10 Medius

Detachable connector for centre panels for materials from 16 mm thickness



Features



Clamex P-14/10 Medius is a detachable connector and is anchored in the form-locking P-System groove within seconds.

Through the minimalist 6 mm access hole, Clamex P-14/10 Medius is firmly connected and disconnected using a lever.

The connector for divisions has two installation depths and is used when two shelves are attached to the same dividing panel at the same height. Due to the reduced installation depth of 10 mm, the minimal thickness for the division is 16 mm.

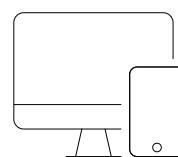
Articles



Clamex P-14/10 Medius	Art. No.
80 pairs	145370
300 pairs	145371
1000 pairs	145357
2000 pieces element with lever	145338
2000 pieces element without lever	145369



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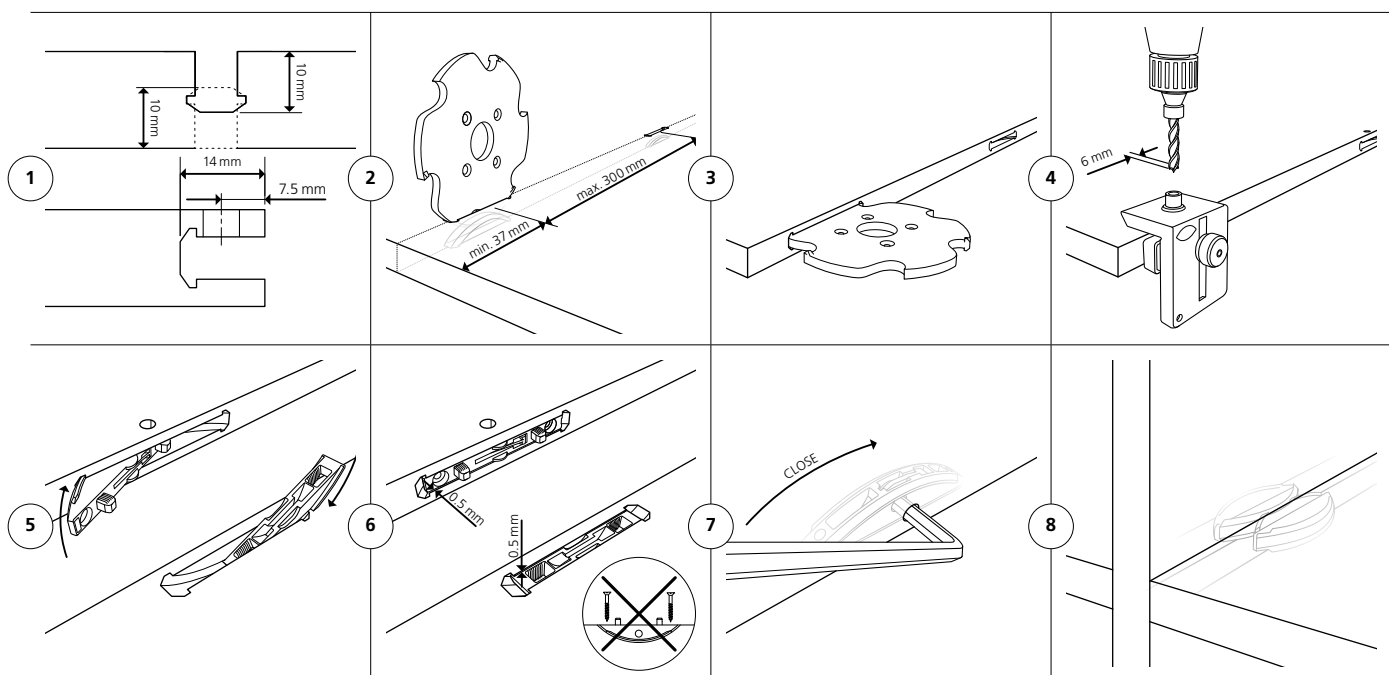


Experience the connector live and receive comprehensive product information!





Function



Technical data

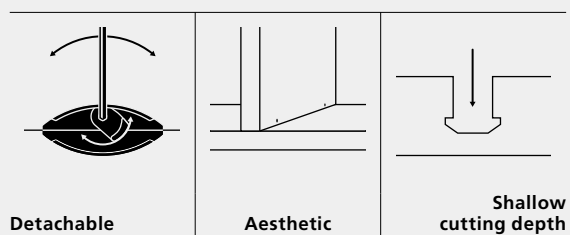
Joining methods 	Size	64 × 13.5 × 9.7 mm 52 × 7.5 × 9.7 mm		
	Cutter	Ø 100.4 × 7 × Ø 22 mm		
	Material connector	Fiberglass reinforced plastic		
	Material of lever	Zinc die cast		
	Installation tolerance	Long. ± 1 mm/radial ± 1 mm		
	Tensile strength (N) Up to	MDF 800 ¹	Particle board 600 ¹	Beech 900 ¹
	Material range	Particle board, MDF, plywood, softwood, hardwood etc.		

Clamex P-10

Detachable connector for materials from 12 mm thickness



Features



Clamex P-10 is a detachable connector and is anchored in the form-locking P-System groove within seconds.

Through the minimalist 6 mm access hole, Clamex P-10 is firmly connected and disconnected using a lever.

Clamex P-10 eliminates the need for glue, allows aesthetic joints at all angles and is ideal for permanently joined or detachable mitres.

Clamex P-10 is used on mitre joints from 15 mm material thickness and in butt joints from 12 mm.

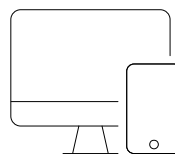
Articles



Clamex P-10	Art. No.
80 pairs	145372
300 pairs	145373
1000 pairs	145374
2000 pieces element without lever	145358



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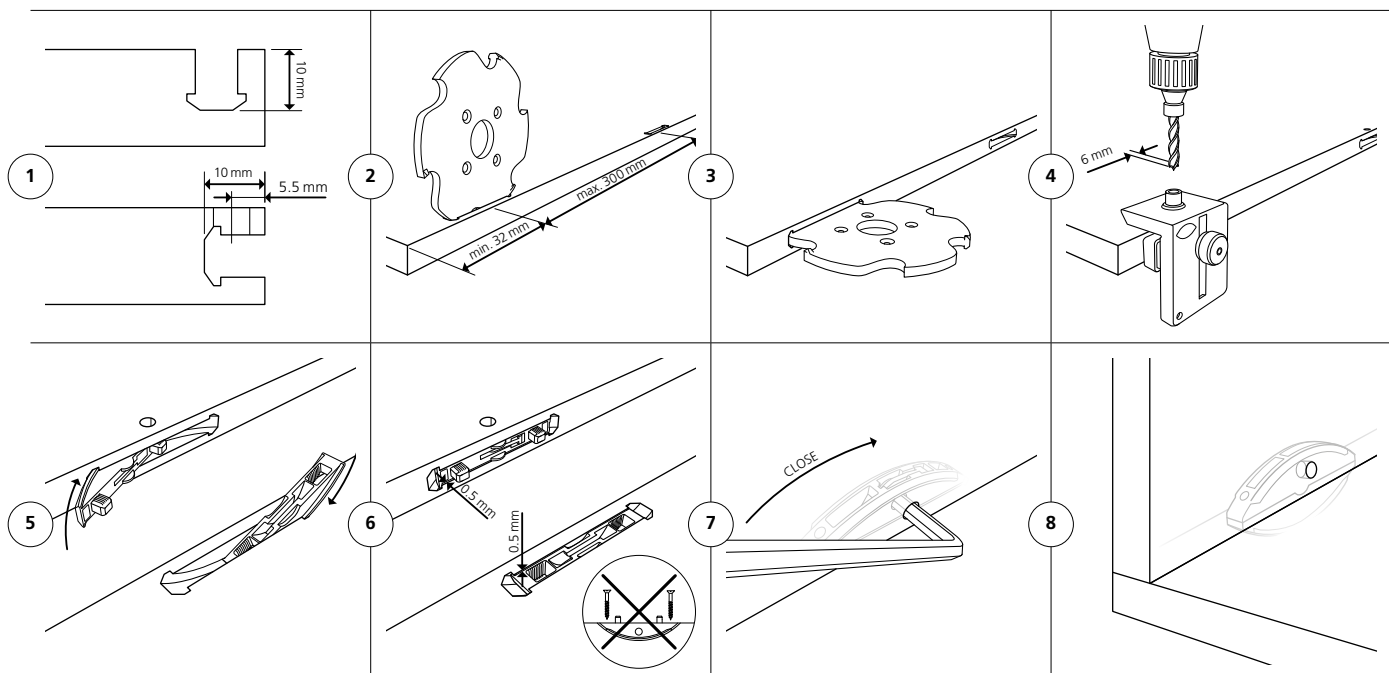


Experience the connector live and receive comprehensive product information!





Function



Technical data

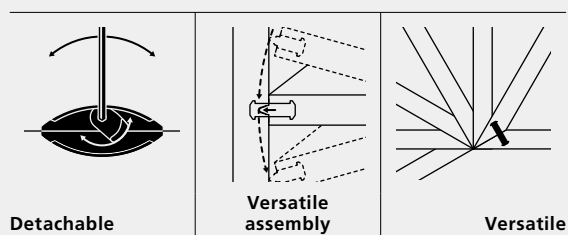
Joining methods 	Size	52 × 19 × 9.7 mm		
	Cutter	Ø 100.4 × 7 × Ø 22 mm		
	Material connector	Fiberglass reinforced plastic		
	Material of lever	Zinc die cast		
	Installation tolerance	Long. ± 0.5 mm/radial ± 0.5 mm		
	Tensile strength (N) Up to	MDF 600 ¹	Particle board 600 ¹	Beech 900 ¹
	Material range	Particle board, MDF, plywood, softwood, hardwood etc.		

Clamex P-14/10 Flexus

Detachable furniture connector
with flexible positioning pins



Features



Clamex P-14/10 Flexus is a detachable connector and is anchored in the form-locking P-System groove within seconds.

Through the minimalist 6 mm access hole, Clamex P-14/10 Flexus is firmly connected and disconnected using a lever.

The flexible positioning pins allow work pieces to be installed in an already assembled cabinet, simplifying the assembly sequence.

Clamex P-14 is used in mitre joints from 18 mm material thickness and in butt joints from 12 mm.

Articles



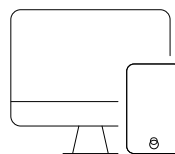
Clamex P-14/10 Flexus

Art. No.

80 pairs	145315
300 pairs	145316
1000 pairs	145317
2000 pieces element with lever	145318
2000 pieces element without lever	145369



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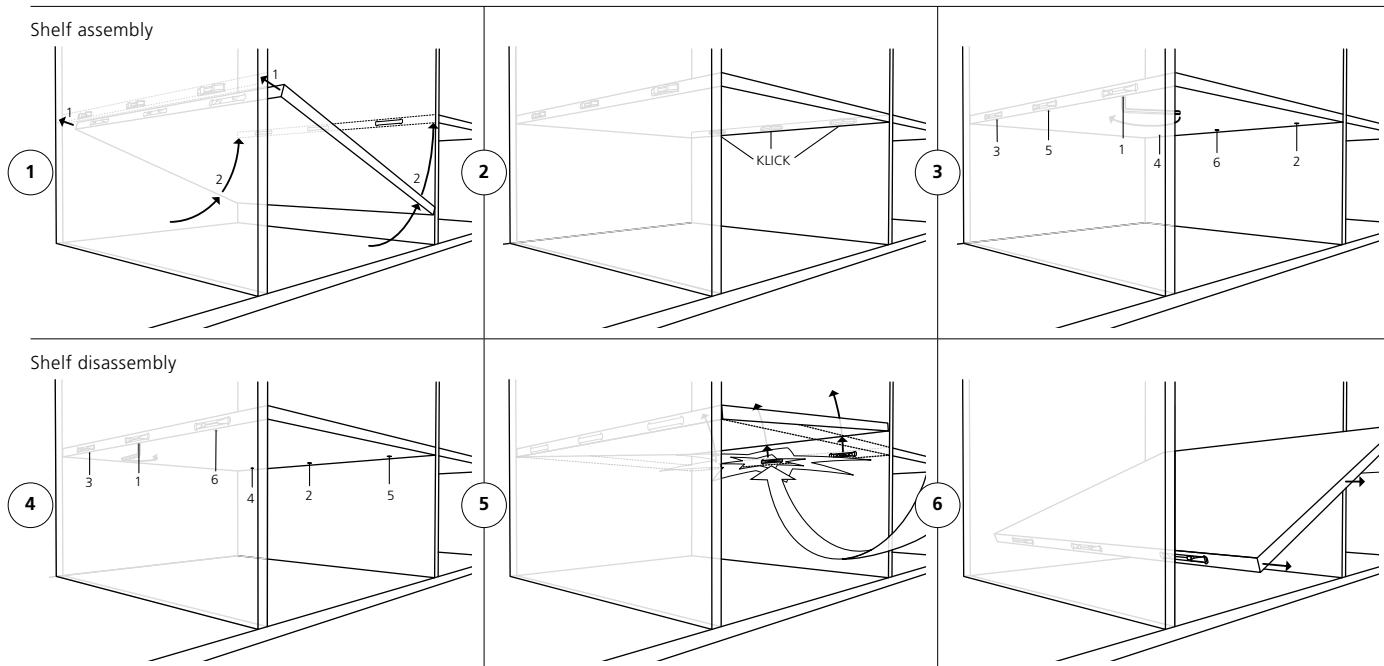


Experience the connector
live and receive comprehensive
product information!



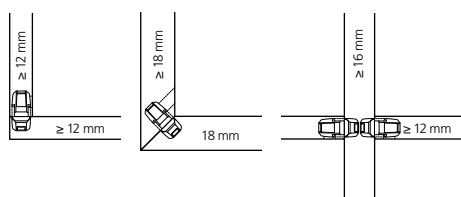


Function



Technical data

Joining methods



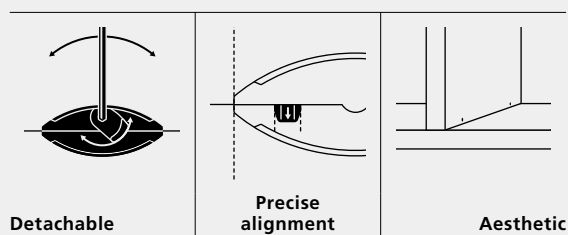
Size	64 × 13.5 × 9.7 mm 52 × 7.5 × 9.7 mm		
Cutter	Ø 100.4 × 7 × Ø 22 mm		
Material connector	Fiberglass reinforced plastic		
Material of lever	Zinc die cast		
Installation tolerance	Long. ± 0 mm/radial ± 1 mm		
Tensile strength (N) Up to	MDF 720 ¹	Particle board 600 ¹	Beech 810 ¹
Material range	Particle board, MDF, plywood, softwood, hardwood etc.		

Clamex P-14 CNC

Detachable furniture connector
with precise alignment



Features



Clamex P-14 CNC is a detachable connector and is anchored in the form-locking P-System groove within seconds. Through the minimalist 5 mm access hole, Clamex P-14 is firmly connected and disconnected using a lever.

Clamex P-14 CNC is ideal for production on CNC machines and, unlike Clamex P-14, is automatically aligned during assembly.

Clamex P-14 CNC is used in mitre joints from 18 mm material thickness and in butt joints from 12 mm.

Articles



Clamex P-14 CNC

Art. No.

2000 pieces element with lever

145388



Clamex P-14

Art. No.

2000 pieces element without lever

145339



Clamex P-10

Art. No.

2000 pieces element without lever

145358



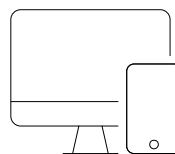
Clamex P-10 Medius

Art. No.

2000 pieces element without lever

145369

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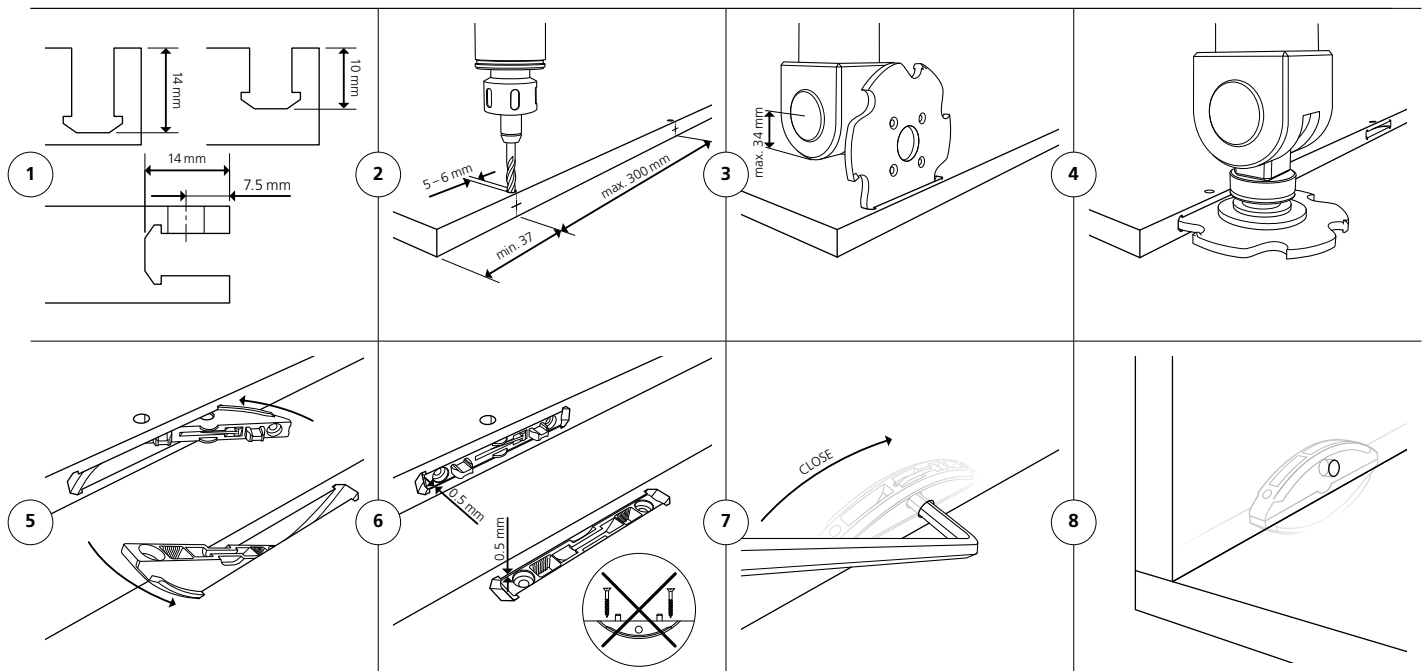


Experience the connector
live and receive comprehensive
product information!





Function



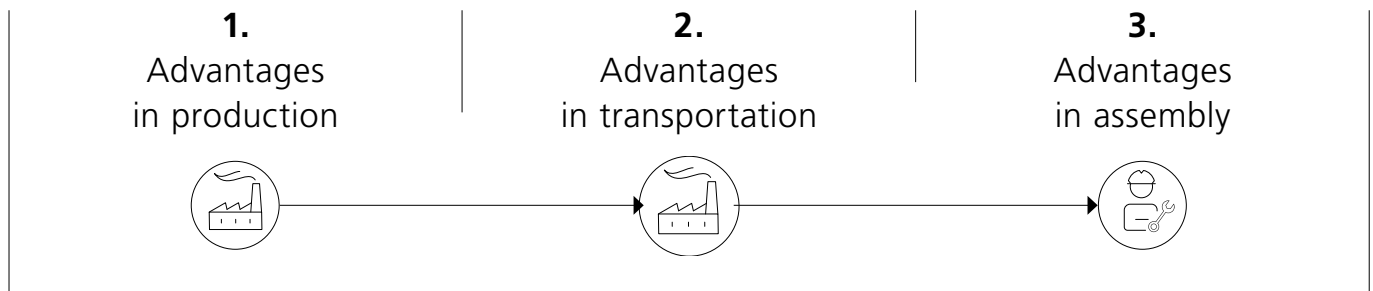
Technical data

Joining methods 	Size	64 × 13.5 × 9.7 mm
	Cutter	Ø 100.4 × 7 × Ø 22 mm
	Material connector	Fiberglass reinforced plastic
	Material of lever	Zinc die cast
	Installation tolerance	Long. ± 0 mm/radial ± 1 mm
	Tensile strength (N)	Depending on the connector combination*
	Material range Up to	Particle board, MDF, plywood, softwood, hardwood etc.

* See **PAGE 59** for technical specifications

Advantages of the Clamex P

Detachable furniture connector



- Machining possible with Zeta P2 or CNC machinery
- Only one tool change from P-System cutter to 6 mm drill
- Same groove everywhere: whether corner connection, shelf, centre panel or mitres
- Consistently competent partners: from CAD to CAM and CNC

- Tool-free connector installation
- Workpieces with pre-installed P-System connectors are stackable for storage and transport
- No extra bags or loose hardware required with furniture shipment
- Tool-free connector disassembly for surface treatment

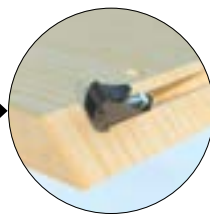
- Simple positioning of workpieces thanks to positioning pins
- Easy assembly with an Allen key
- Aesthetically small, barely visible hole ($\varnothing = 6 \text{ mm}$)
- Open the connection time and time again with the rotating lever
- Lateral tolerance perfect, flush alignment of both workpieces



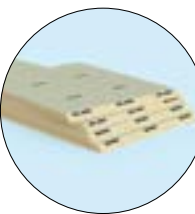
1.
Machining with
a Zeta P2 or
CNC machine



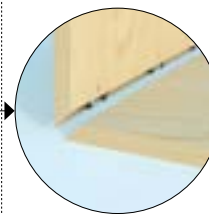
2.
Only one tool
change



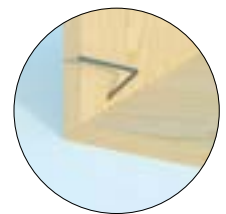
3.
Tool-free
connector
installation




4.
Flat pack
delivery



5.
Versatile for all
angles and joining
situations



6.
Strong and
detachable
connection

A man with short brown hair, wearing a white button-down shirt and blue jeans, is smiling and leaning on a wooden workbench. He is wearing a black leather watch on his left wrist. On the workbench in front of him are several pieces of light-colored wood. In the background, there is a large window showing greenery outside, and another person is partially visible on the left.

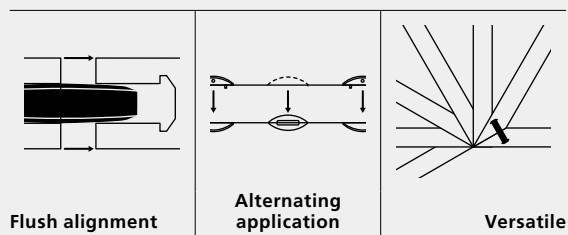
*« The P-System saves us
an enormous amount
of time in production.
Our fitters are big
fans of Clamex and
now they don't want
to work with anything
else. »*

Markus Fust, Managing Director,
Fust Schreinerei AG, Wil, Switzerland

Bisco P

Aligning element, suitable for the P-System groove

Features



Bisco P is a plastic biscuit which fits into the 7 mm P-System groove and is held in the groove due to its surface structure. Bisco P is used in combination with Clamex or Tenso as a cost-effective alignment element and ensures flushness of the joint. The Bisco can also be used as a dry joint as a test before the work piece is permanently joined with Tenso P and adhesive.

Bisco P-14 is used in combination with Clamex P-14 or Tenso P-14; and Bisco P-10 with the same connectors in size P-10.

Artikel

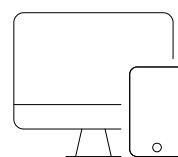


Bisco P-14	Art. No.
80 pieces	145301
300 pieces	145302
1000 pieces	145303



Bisco P-10	Art. No.
80 pieces	145304
300 pieces	145305

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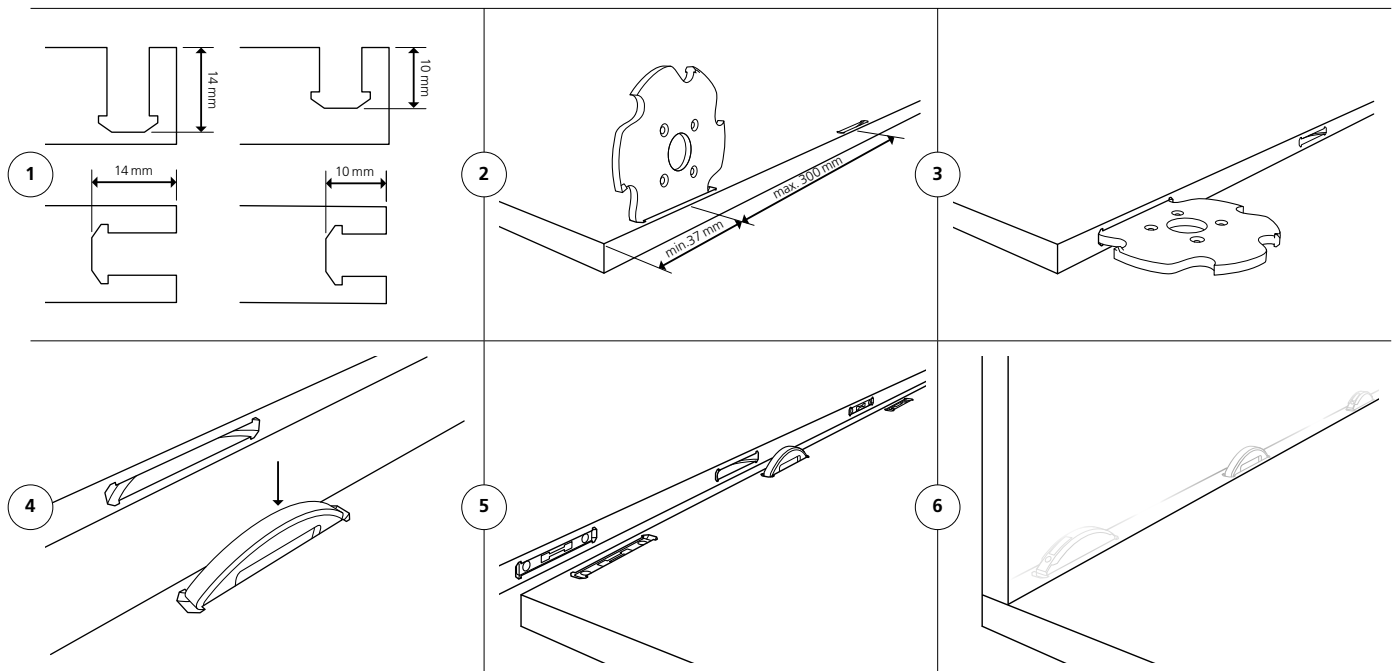


Experience the connector live and receive comprehensive product information!



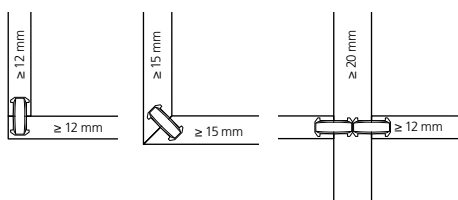
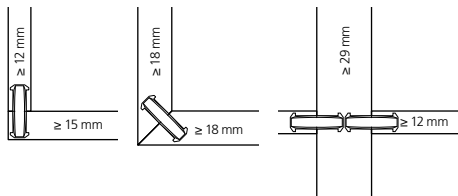


Function



Technical data

Joining methods



Bisco P-14

Size	65 × 27 × 7 mm
Cutter	Ø 100.4 × 7 × Ø 22 mm
Material connector	Plastic
Installation tolerance	Long. ± 2 mm
Tensile strength (N)	Depending on the connector combination*

Bisco P-10

Size	52 × 19 × 7 mm
Cutter	Ø 100.4 × 7 × Ø 22 mm
Material connector	Plastic
Installation tolerance	Long. ± 2 mm
Tensile strength (N)	Depending on the connector combination*
Material range	Particle board, MDF, plywood, softwood, hardwood etc.

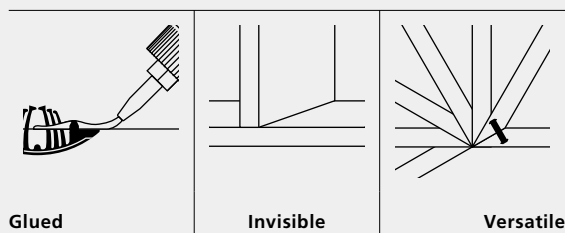
* See PAGE 60 for technical specifications

Tenso P-14

Self-clamping connector for glueing materials from 16 mm thickness



Features



Tenso P-14 is a self-clamping glueing aid and is anchored in the form-locking P-System groove within seconds.

The high clamping force of Tenso leads to perfectly clamped joints without the need for clamps or presses, regardless of the angle of the work pieces.

Aesthetic joining is possible without visible connectors, with short assembly times and without the need to wait for the glue to dry. Tenso P-14 is used on mitre joints from 18 mm material thickness and in butt joints from 15 mm.

Articles

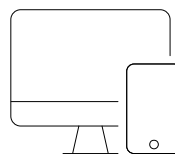


Tenso P-14	Art. No.
80 pairs	145415
80 pairs, with preload clip	145415S
300 pairs	145425
300 pairs, with preload clip	145425S
1000 pairs	145435
2000 pieces element with spring	145440
2000 pieces element without spring	145441



Tenso P-14 preload clip	Art. No.
300 pieces	145426
1000 pieces	145436

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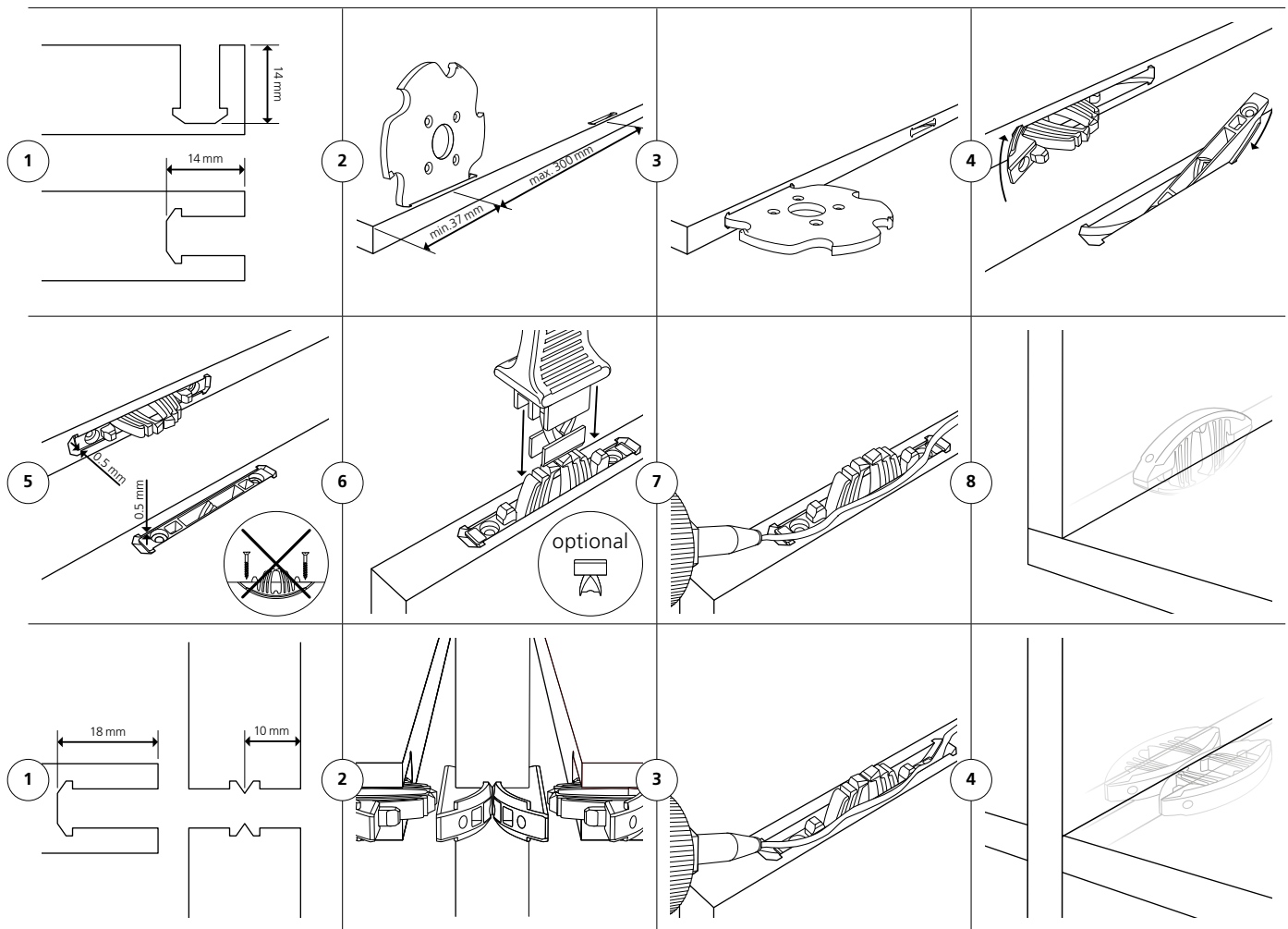


Experience the connector live and receive comprehensive product information!



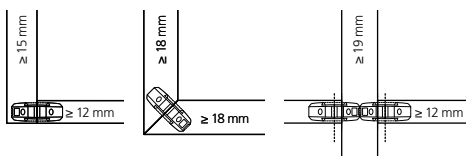


Function



Technical data

Joining methods



Important: The aligning element Bisco P-14 is ideal to dry-assemble the joints before gluing

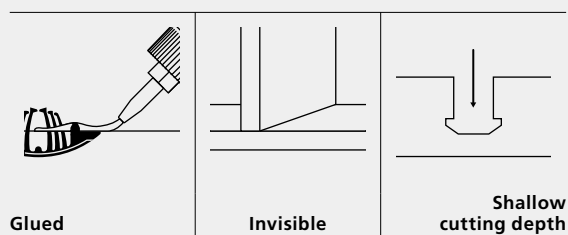
Size	66 × 27 × 9.7 mm
Cutter	Ø 100.4 × 7 × Ø 22 mm
Material connector	Fiberglass reinforced plastic
Installation tolerance	Long. ± 1 mm/radial ± 1 mm
Tensile strength (N)	Depending on the adhesive
Material range	Particle board, MDF, plywood, softwood, hardwood etc.

Tenso P-10

Self-clamping connector for glueing thin materials from 12 mm thickness



Features

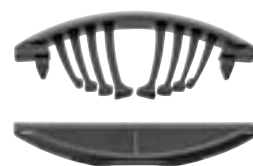


Tenso P-10 is a self-clamping connector to glue and is anchored in the form-locking P-System groove within seconds.

The high clamping force of Tenso leads to perfectly clamped joints without clamps or presses, regardless of the angle of the work pieces.

Aesthetic joining is possible without visible connectors, with short assembly times and without having to wait for the glue to dry. Tenso P-10 is used on mitre joints from 15 mm material thickness and in butt joints from 12 mm.

Articles

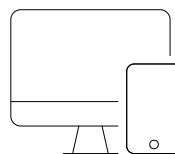


Tenso P-10	Art. No.
80 pairs, with preload clip	145418
300 pairs, with preload clip	145428
1000 pairs, with preload clip	145438
2000 pieces element with spring	145442
2000 Spieces element without spring	145443



Tenso P-10 preload clip	Art. No.
2000 pieces	145445

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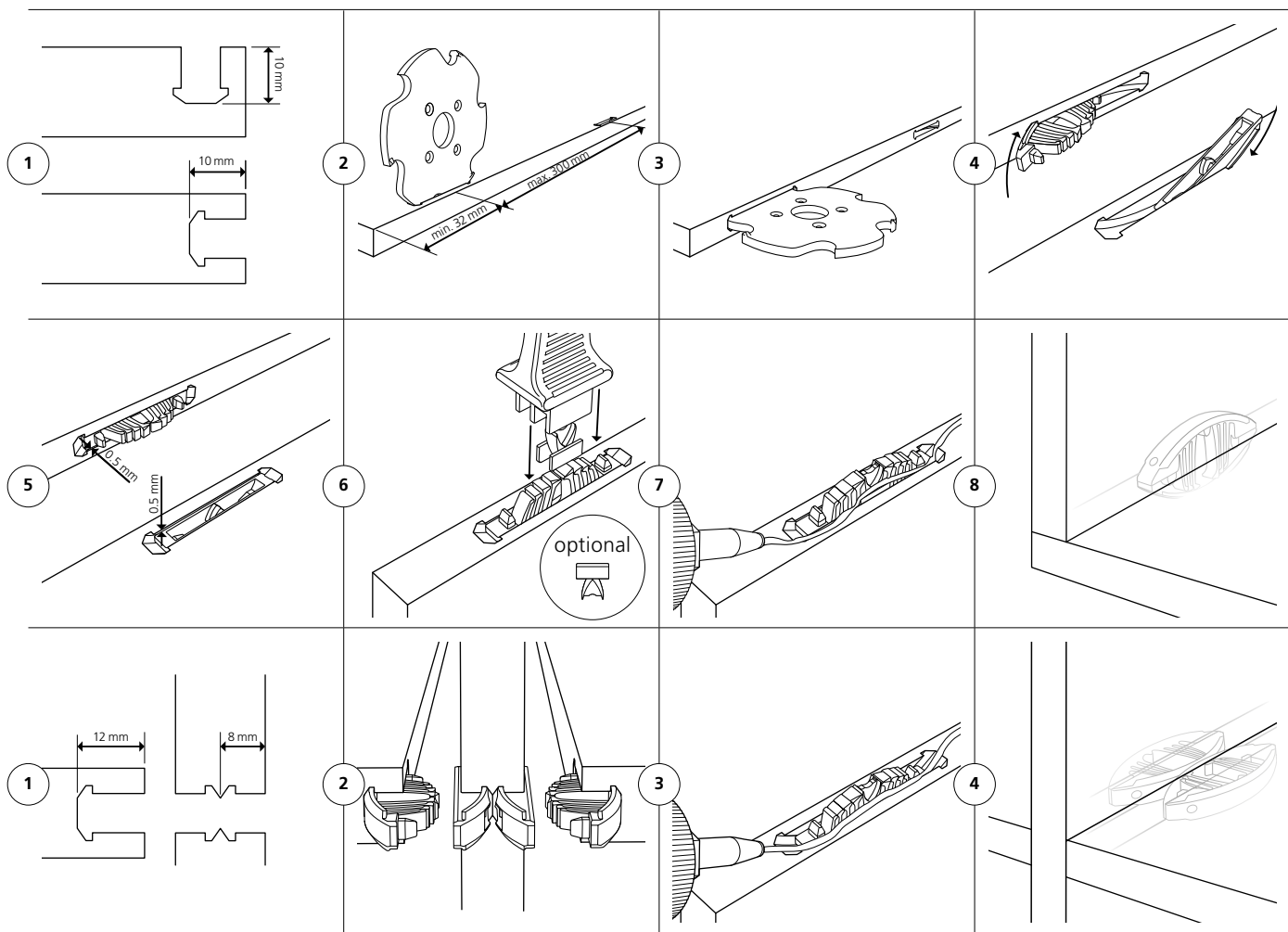


Experience the connector live and receive comprehensive product information!



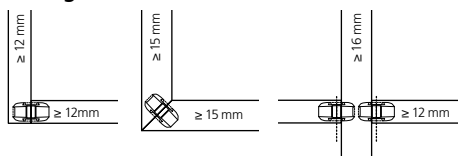


Function



Technical data

Joining methods



Important: The aligning element Bisco P-10 is ideal to dry-assemble the joints before gluing

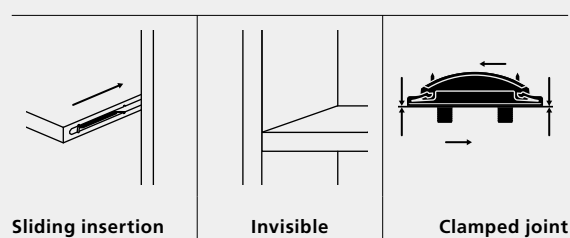
Size	52 × 19 × 9.7 mm
Cutter	Ø 100.4 × 7 × Ø 22 mm
Material connector	Fiberglass reinforced plastic
Installation tolerance	Long. ± 1 mm/radial ± 1 mm
Tensile strength (N)	Depending on the adhesive
Material range	Particle board, MDF, plywood, softwood, hardwood etc.

Divario P-18

Self-clamping, invisible connector for slide insertion



Features



Divario P-18 is a detachable connector for slide-in insertion and is anchored in the form-locking P-System groove within seconds.

The connector is used to slide shelves or partitions into an already assembled cabinet. In the process, the Divario P-18 clamps the workpieces together firmly and ensures perfectly closed joints without visible connectors.

Divario P-18 is used for joining shelves to divisions from 18 mm panel thickness or in butt joints from 12 mm.

Articles



Divario P-18

Art. No.

80 pairs **145550**

300 pairs **145560**

1000 pairs **145570**

2000 pieces, element **145520**

for P-System groove

2000 pieces, element **145540**

for drill holes

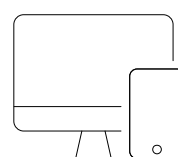


Divario P-18 Installation tool

Art. No.

For fixing the Divario in the workpiece **125500**

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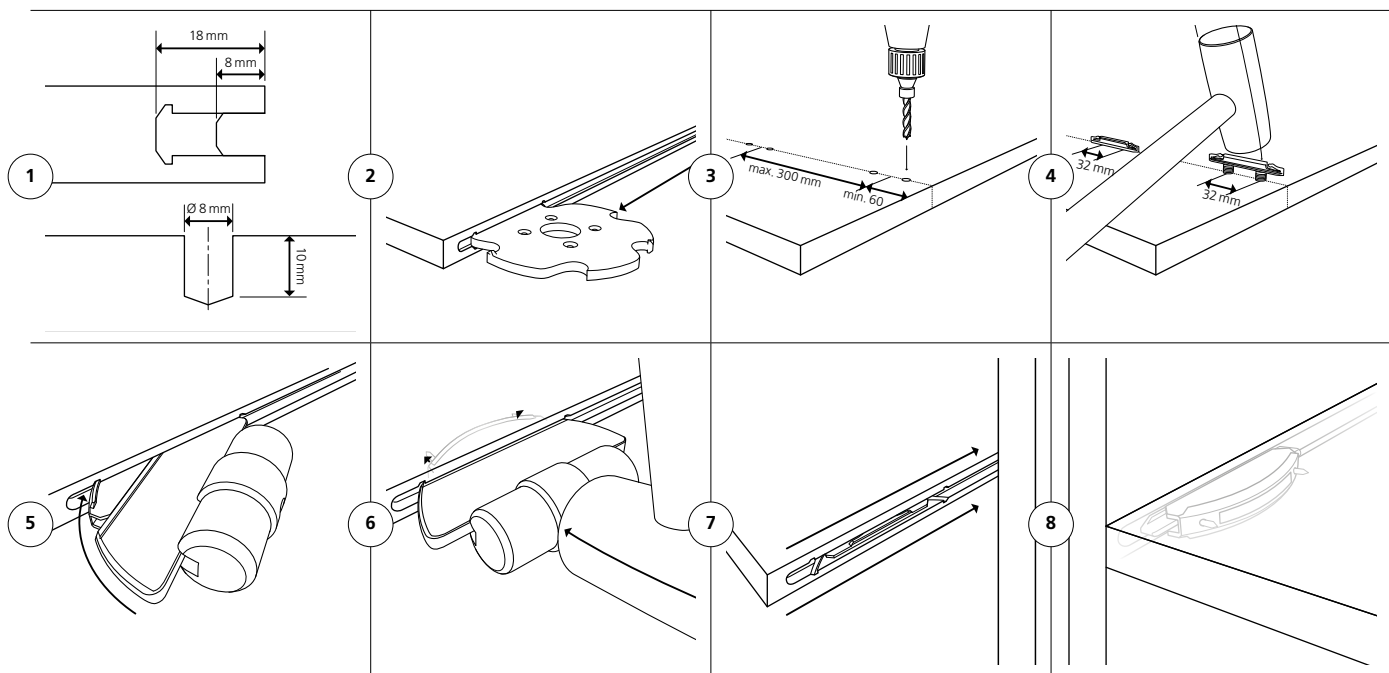


Experience the connector live and receive comprehensive product information!



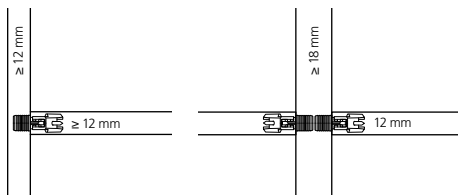


Function



Technical data

Joining methods



Element with P-System groove	65 × 16 × 9.7 mm				
Element with drill holes	Ø 8 × 10 mm, distance 32 mm				
Cutter	Ø 100.4 × 7 × Ø 22 mm				
Material connector	Fiberglass reinforced plastic				
Installation tolerance	Long. ± 1 mm/radial ± 0 mm				
Load limits per connector (N) Up to	(mm)	19	22	25	30
	MDF	600 ¹	700 ¹	800 ¹	1000 ¹
	Particle board	500 ¹	600 ¹	700 ¹	1000 ¹
	Beech	1700 ¹	2000 ¹	2000 ¹	2000 ¹
	Spruce	800 ¹	900 ¹	1300 ¹	1400 ¹
Tensile strength (N)	All materials	600 ¹			
Material range	Particle board, MDF, plywood, softwood, hardwood etc.				

Zeta P2

The machine for the evolving P-System, saving you time daily! Differentiate your products from the standard!



Features

Fast connection	Automatic vertical movement	Numerous machining options

The Zeta P2 is the biscuit joiner for P-System connectors and is used to create the form-locking P-System groove within seconds. The integrated vertical mechanical drive is automatically triggered at the maximum cutting depth and performs a lateral cutter movement for the P-System groove. Connectors with various functions and different sizes can now be inserted into the form-locking P-System groove. The insertion into the groove is quick and without tools.

Articles



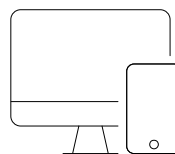
Zeta P2	Art. No.
With P-System groove cutter HW (carbide) in Systainer	101402S
With P-System groove cutter DP (diamond) in Systainer	101402DS



Kit contains

Zeta P2, P-System groove cutter, stop square, suction stub 23 + 36 mm, disc for angles, spacer 2 + 4 mm, tools, Clamex P drill jig incl. drill

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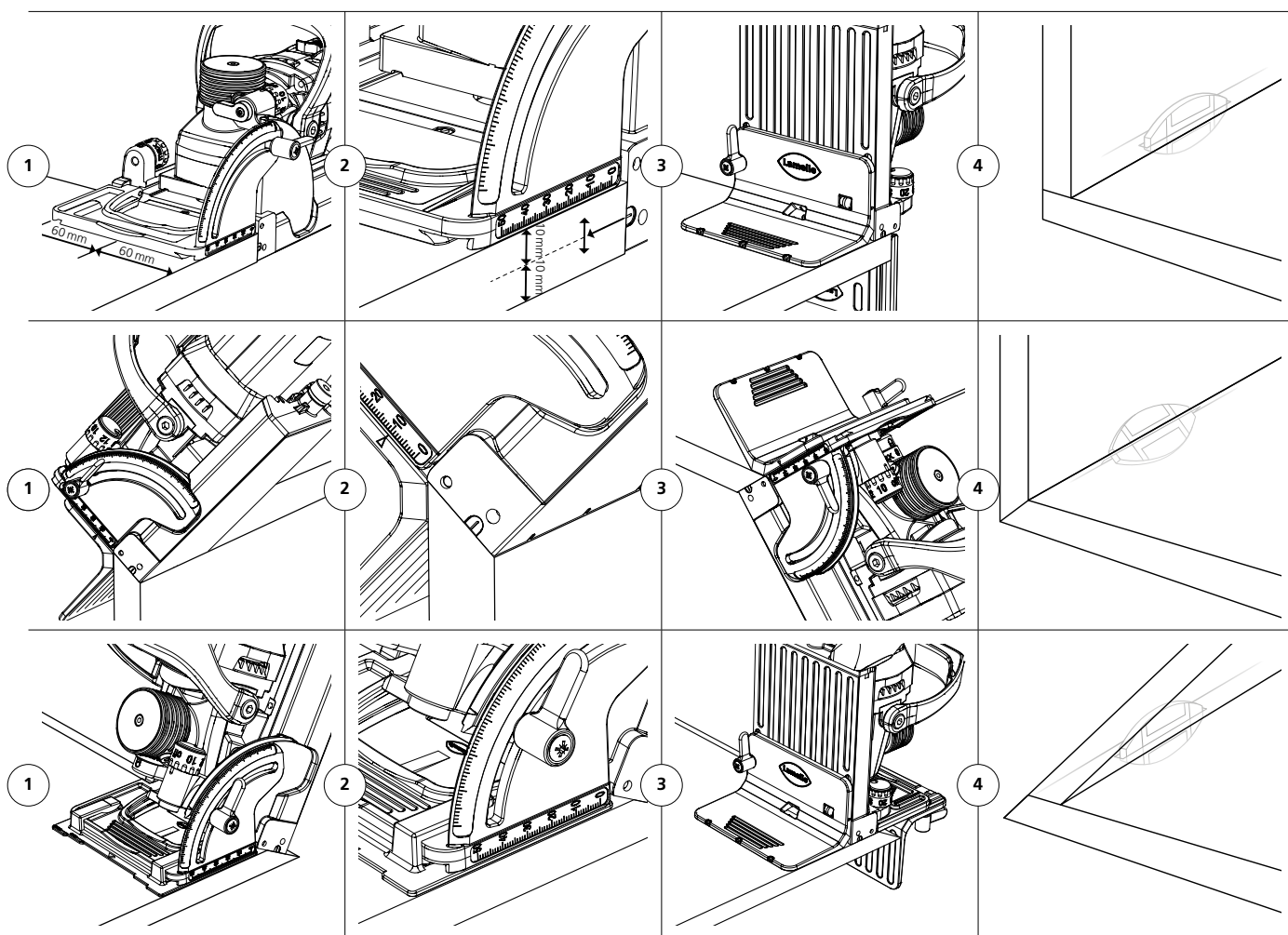


Experience Zeta P2 live and receive comprehensive product information!





Function



Technical data

Power/Voltage	1 050 W/230 V 800 W/120 V
Speed	9 000 min ⁻¹
P-System Cutter	HW: Ø 100.9 × 7 × Ø 22 mm DP: Ø 100.4 × 7 × Ø 22 mm

Teeth	Z3
Cutting depth max.	20 mm
Weight	3.7 kg

Accessories

Zeta P2

Accessories



Stop square for Zeta P2, Top 21, Classic X	Art. No.
For stabilising the biscuit joiner in the vertical position, ideal for obtuse mitre joints	251044



P-System groove cutter DP (diamond),	Art. No.
Ø 100.4 × 7 × Ø 22 mm	
Z3, 4 NL for Zeta P2	132140



Spacer for Zeta P2, Top 21, Classic X	Art. No.
5 mm, aluminium for 18 mm panels	253027
2 m, plastic for 16 mm panels	253023
4 mm, plastic for mitres	253026



P-System groove cutter HW (carbide),	Art. No.
Ø 100.9 × 7 × Ø 22 mm	
Z3, 4 NL for Zeta P2	132141



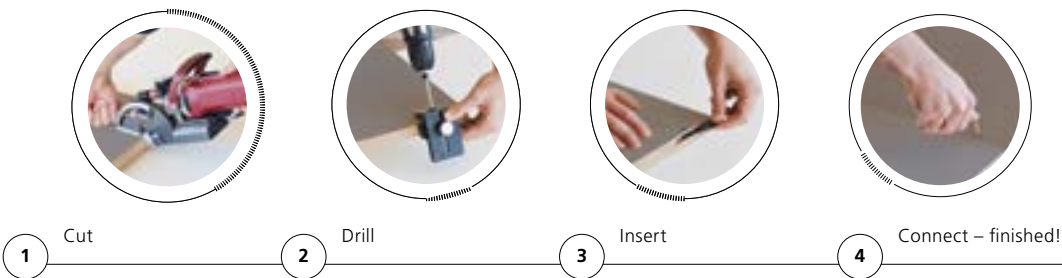
Groove cutter HW (carbide),	Art. No.
Ø 100 × 4 × Ø 22 mm	
Z2 + V4 scoring teeth, 4 screw holes, hub for Zeta P2/Top 21/Classic X	132000

Connected in seconds ...

Without waiting time, clamps, or secondary processes,
glued and clamped in 40 seconds

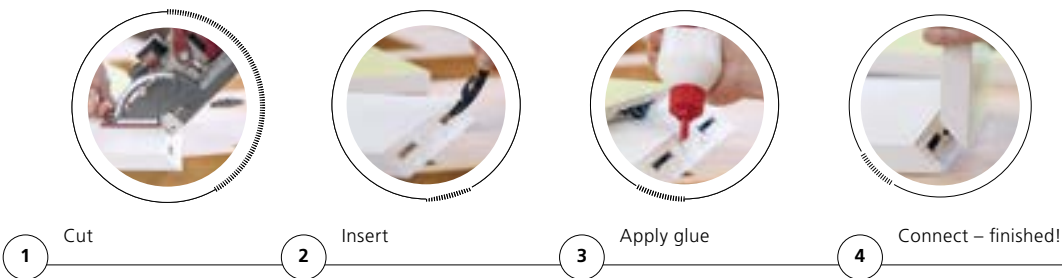
Advantage

... with Clamex P – detachable



Time for one connector pair	
1. Cut	25
2. Drill	15
3. Insert	5
4. Connect – finished!	5
Ready in	50 s

... with Tenso P – glued



Time for one connector pair	
1. Cut	25
2. Insert	5
3. Apply glue	5
4. Connect – finished!	5
Ready in	40 s



Versatile use with many different connecting elements.

With the Zeta P2, you can quickly and easily connect parts with a range of angles and joining situations. Suitable for individual pieces of furniture as well as prototypes and line production.

With P-System groove



Clamex P-14



Clamex P-14/10 Medius



Clamex P-10



Clamex P-14/10 Flexus



Bisco P-14



Bisco P-10



Tenso P-14



Tenso P-10

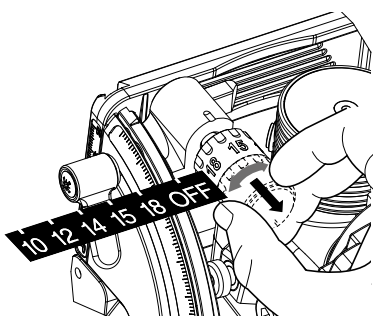


Divario P-18

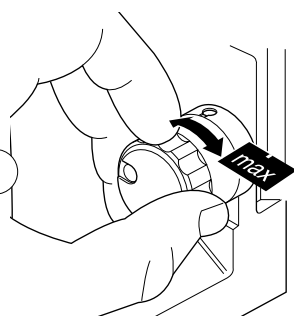


P-System depth adjustment

1



2






10	Depth 10 Clamex P-10, Clamex P-14/10 Medius, Bisco P-10 and Tenso P-10
12	Depth 12
14	Depth 14 Clamex P-14, Clamex P-14/10 Medius, Clamex P-14/10 Flexus, Bisco P and Tenso P-14
15	Depth 15
18	Depth 18 Divario P-18
OFF	Groove millings without profile groove = for standard






With 4 mm Lamello System groove cutter




20
10
0






E20-H
E20-L
K20


C20
C10
Simplex








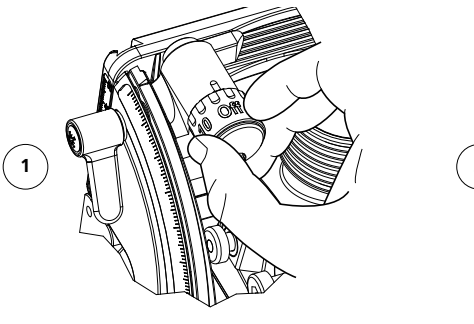
With 3 mm Lamello System groove cutter

H9

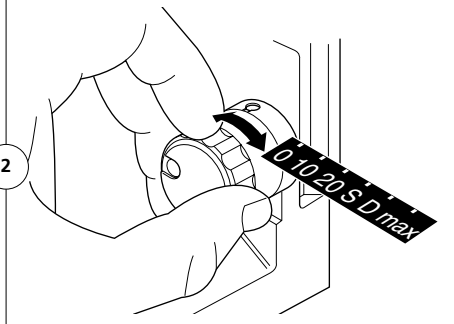




Lamello depth adjustment system



1

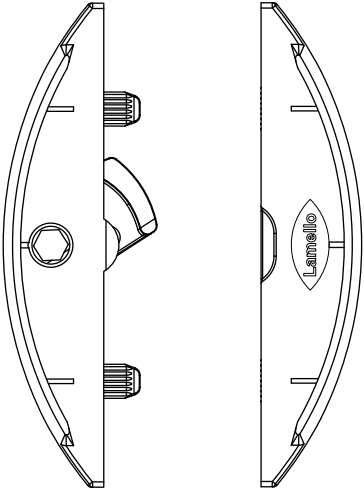
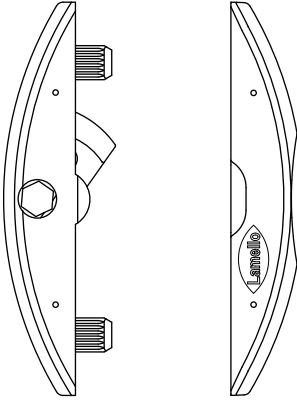
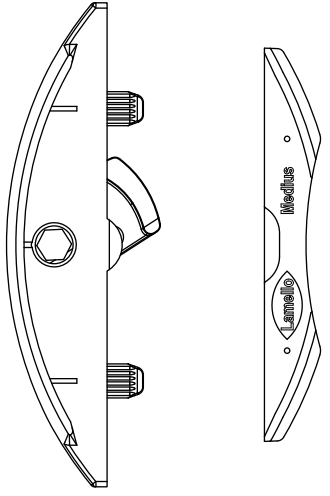
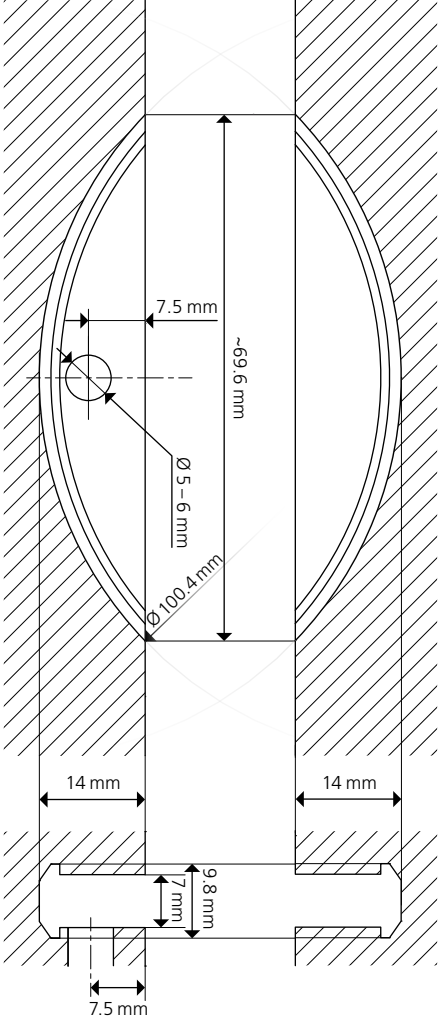
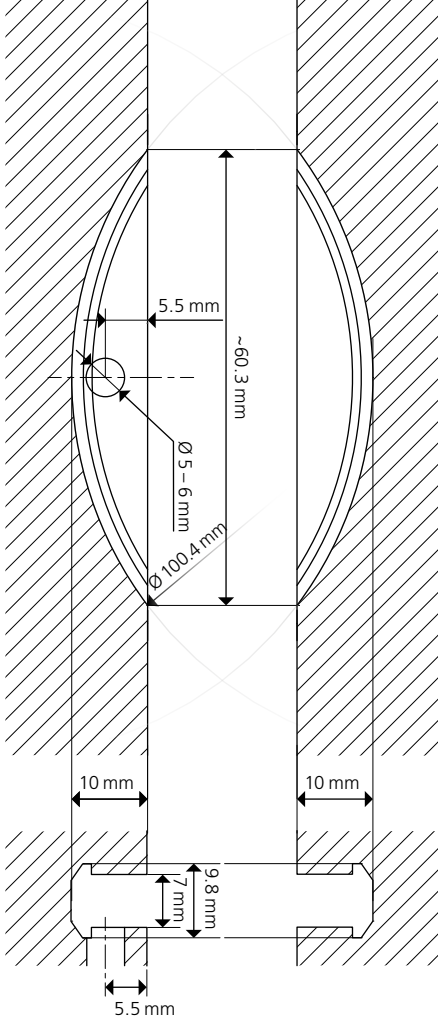
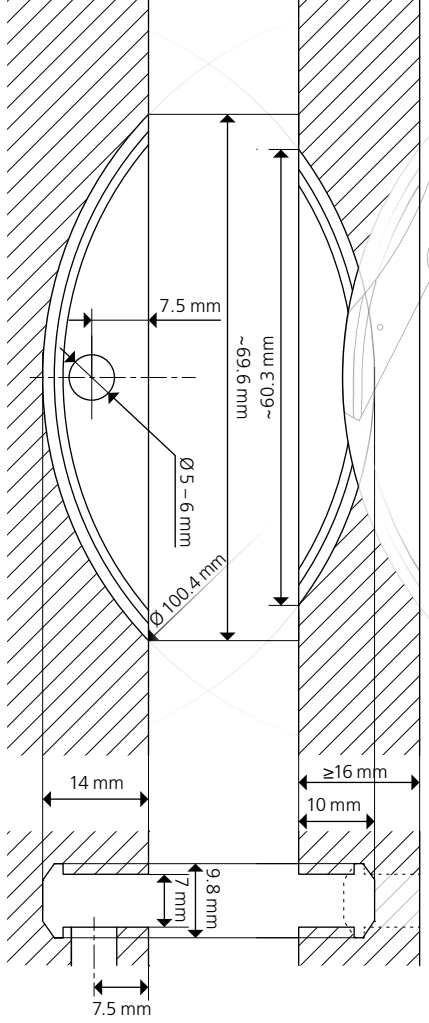


2

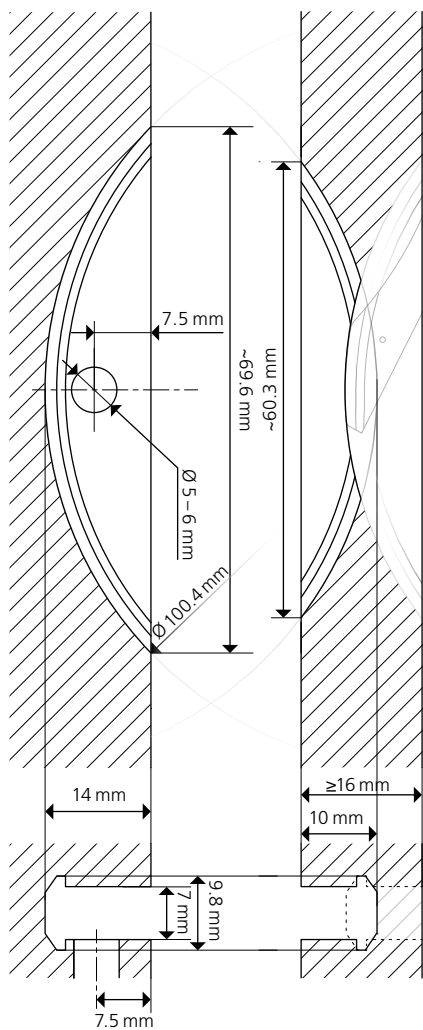
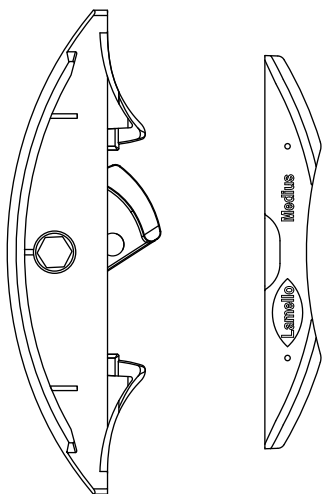
0	Depth 0	no. 0
10	Depth 10	no. 10, C10
20	Depth 20	no. 20, E20-L, K20, C20
S	Depth S	E20-H, Simplex
D	Depth D	E20-L
max	Depth max	E20-L

Technical information

Overview of connectors + grooves (scale 1:1)

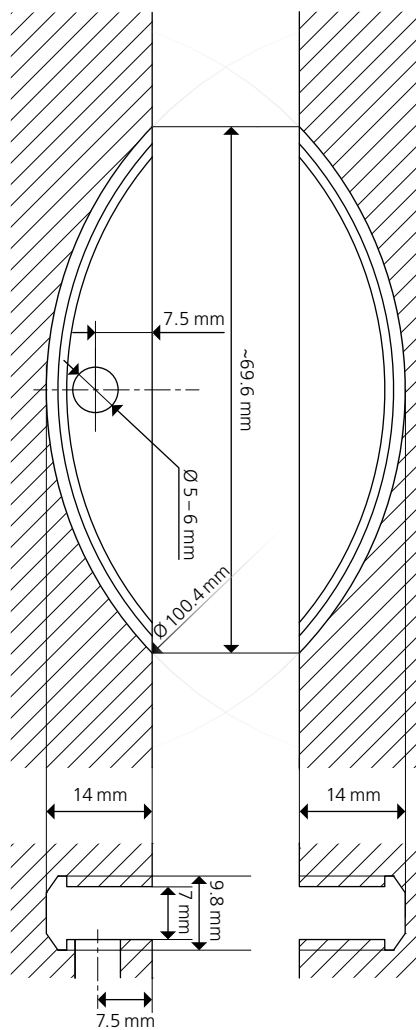
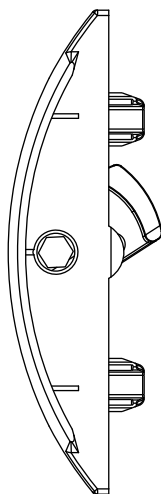
Clamex P-14		Clamex P-10		Clamex P-14/10 Medius	
					
					
Tensile strength (N)	Up to		Up to		Up to
MDF	900 ¹	MDF	600 ¹	MDF	800 ¹
Particle board	800 ¹	Particle board	600 ¹	Particle board	600 ¹
Beech	1000 ¹	Beech	900 ¹	Beech	900 ¹

Clamex P-14/10 Flexus



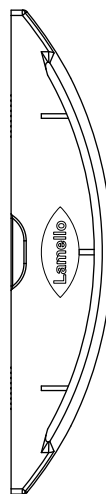
Tensile strength (N)	Up to
MDF	720 ¹
Particle board	600 ¹
Beech	810 ¹

Clamex P-14 CNC with lever

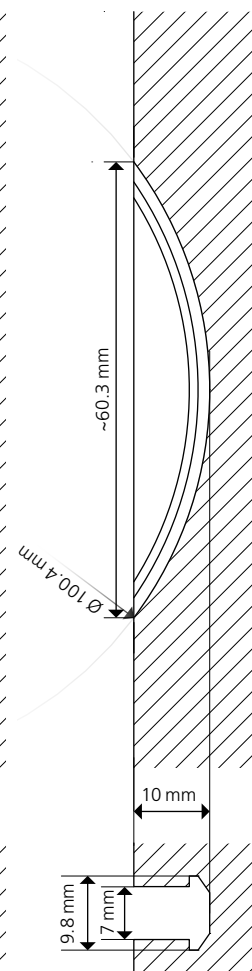


Tensile strength (N)	Up to
MDF	900 ¹
Particle board	800 ¹
Beech	1000 ¹

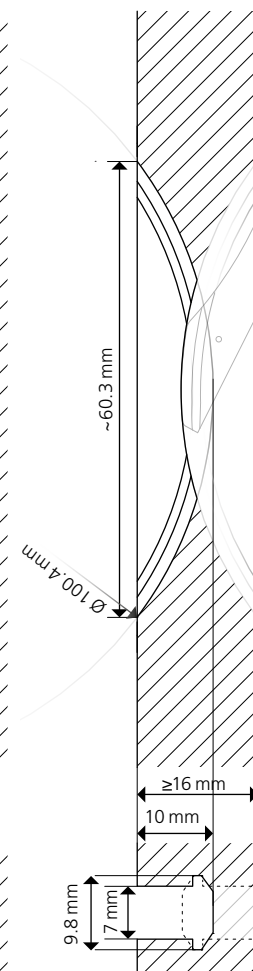
Clamex P-14 without lever



Clamex P-10 without lever



Clamex P-10 Medius without lever

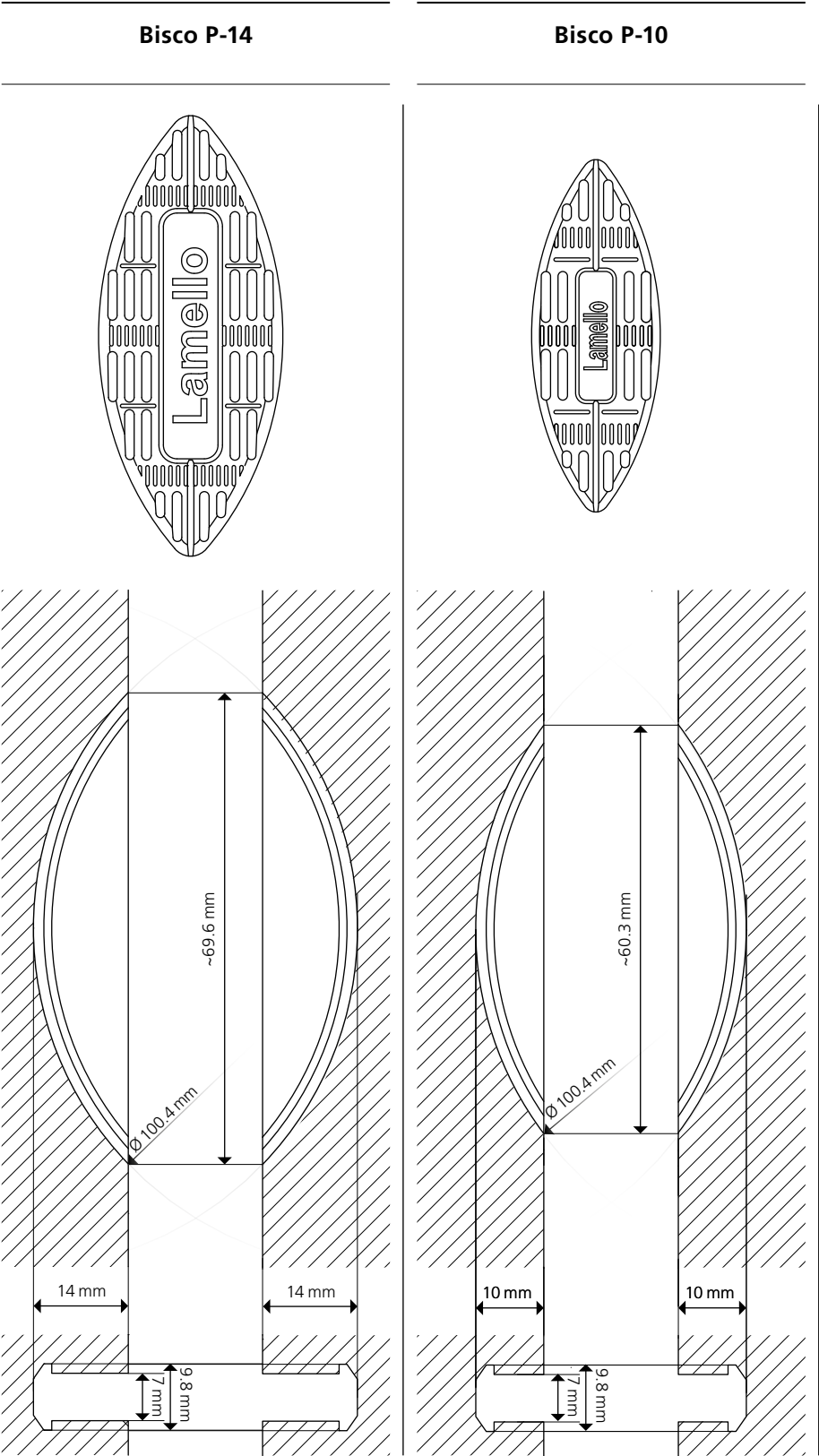


Tensile strength (N)	Up to
MDF	800 ¹
Particle board	600 ¹
Beech	900 ¹

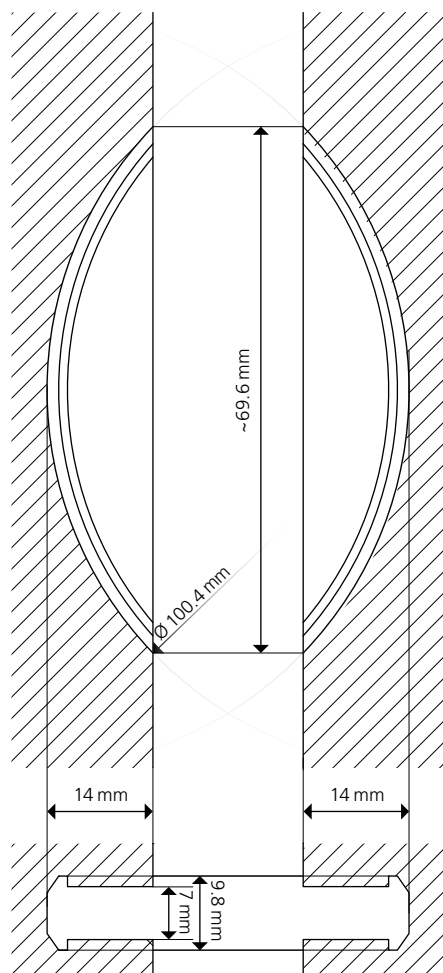
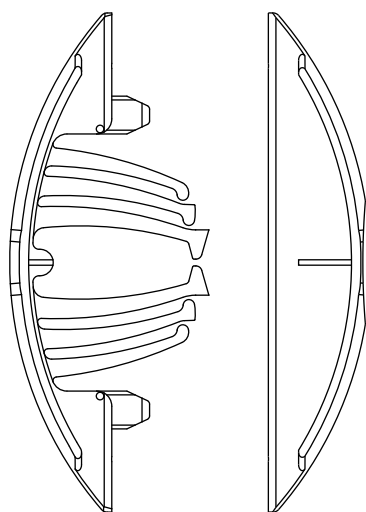
¹ See comment on load limits on **PAGE 183**

Technical information

Overview of connectors + grooves (scale 1:1)



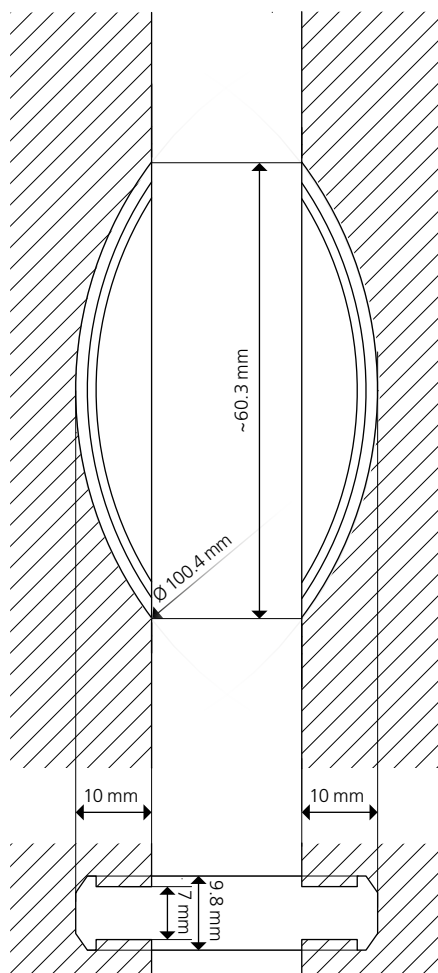
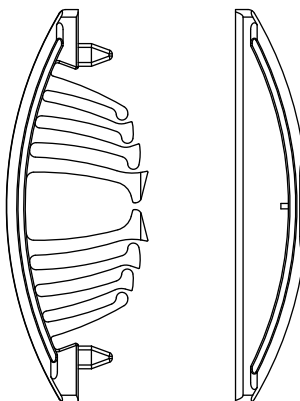
Tenso P-14



Tensile strength (N)

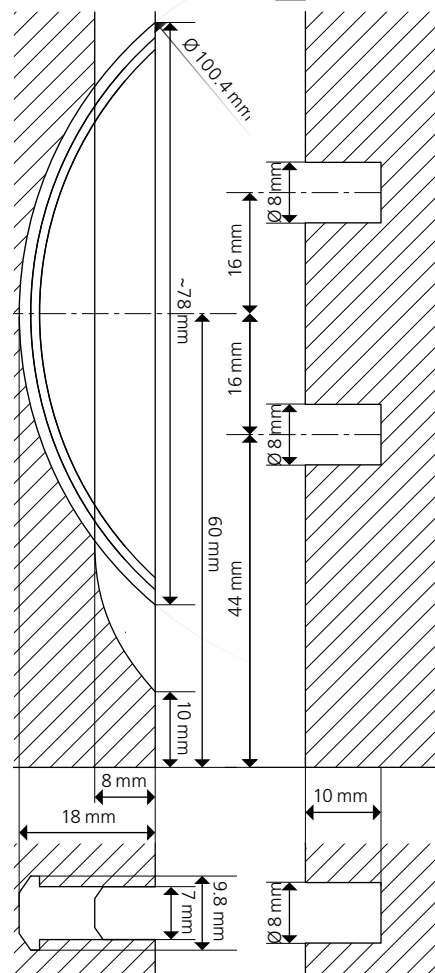
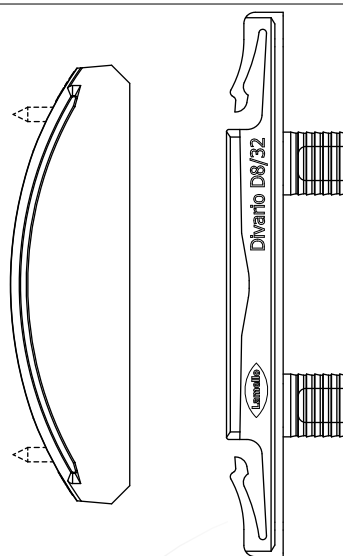
Depending on the adhesive

Tenso P-10



Depending on the adhesive

Divario P-18



Load limits per connector (N)*

(mm)	19	22	25	30
MDF	600 ¹	700 ¹	800 ¹	1000 ¹
Particle board	500 ¹	600 ¹	700 ¹	1000 ¹
Beech	1700 ¹	2000 ¹	2000 ¹	2000 ¹
Spruce	800 ¹	900 ¹	1300 ¹	1400 ¹

Tensile strength (N)

All materials 600¹

¹ See comment on load limits on **PAGE 183** | * Up to

Accessories / Spare Parts

P-System

P-System



P-System connector assortment

professional

Art. No.

Scope of delivery: 120 pairs Clamex P-14, **145312**

30 pairs Clamex P-14/10 Flexus, 30 pairs Clamex P-10,

80 pairs Tenso P-14 incl. clip, 30 pairs Tenso P-10

incl. clip, 20 pieces Bisco P-14, 20 pieces Bisco P-10,

80 pairs Divario P-18, Divario installation tool/drill/

marking gauge, Clamex P installation tool, Tenso P-14/10

preload tool, Sortainer T-loc



P-System connector assortment

basic

Art. No.

Scope of delivery: 80 pairs Clamex P-14, **145314**

80 pairs Tenso P-14 incl. clip, 60 pairs Clamex P-14/10

Medius, 20 pieces Bisco P-14, Tenso P-14/10 preload tool,

Systainer II T-Loc incl. compartment dividers

Clamex P



Clamex P assembly tool

Art. No.

For all angles, fast and flexible, hex 4 x 30 mm, **251993**

length 290 mm



Allen key

Art. No.

4 mm, 75 × 55 mm **271945**

4 mm, 120 × 50 mm **271945A**



Cover cap, 100 pieces, 90°

Art. No.

RAL 9010 pure white  **335280**

RAL 9011 graphite black  **335281**

RAL 1014 ivory, pine  **335282**

RAL 1011 brown beige, beech  **335283**

RAL 8007 fawn brown  **335284**


RAL 8017 chocolate brown  **335289**

RAL 9002 grey white  **335285**

RAL 7035 light grey  **335286**


RAL 7040 window grey  **335287**

RAL 7031 blue grey  **335288**

RAL 7022 umbra grey  **335298**

Cover cap, 500 pieces, 90°

Art. No.

RAL 9010 pure white  **335362**

RAL 9011 graphite black  **335363**

RAL 1014 ivory, pine  **335364**

RAL 1011 brown beige, beech  **335365**



Cover cap, 100 pieces, 45°

Art. No.

RAL 9010 pure white  **335380**


RAL 9011 graphite black  **335381**

RAL 1014 ivory, pine  **335382**

RAL 1011 brown beige, beech  **335383**

RAL 8017 chocolate brown  **335384**

RAL 7035 light grey  **335386**

RAL 7022 umbra grey  **335388**



Clamex P drill jig

Art. No.

Incl. drill, from 22.5° for all **125344**

Clamex P connectors (P-10, P-14)

Angle for drill jig **255250**

Element insert for size P-10 **255251**

Element insert for size P-14 **255252**



Clamex P drill jig long

Art. No.

Drill jig for thick workpieces 100 mm, **125345**

(P-14), incl. drill



Drill

Art. No.

Spiral drill Ø 6 mm with centering point, **131506**

for Clamex P drill jig

Spiral drill Ø 6 mm with centering point, **131508**

for Clamex P drill jig long

Depth adjuster for drill, 6 mm diameter **255243**

Accessories / Spare Parts

P-System

Combination CNC and Zeta P2



Positioning pin CNC for Zeta P2*,

2 pieces

Art. No.

Ø 5 mm

251048

Ø 8 mm

251066



Positioning clip CNC for Zeta P2*,

Art. No.

Ø 6 mm

251067

for positioning in the Clamex P access hole (6 mm)

Tenso P



Tenso P-14/10 preload tool

Art. No.

Tool to pre-load the Tenso P

145400



**P-System 4 mm depth
adjuster attachment for P-8**

Art. No.

For offset installation on dividing panels

145439

16 mm with Tenso P-10

Divario P



Divario P-18 Marking jig metal with marking points

Art. No.

Marking jig incl. drill with centering point and rotating depth collar for the precise drilling of Divario drill holes by hand

125510



Divario P-18 Marking jig plastic, to mark with a pencil

Art. No.

Marking jig to mark the Divario holes with a pencil

125511



Divario P-18 Installation tool

Art. No.

Divario P-18 Installation tool for fixing the Divario in the workpiece

125500



Divario P-18 Starter set

Art. No.

80 pairs in Systainer Size I, incl. installation tool and marking jig in metal

145551

Zeta P2



Stop square for Zeta P2, Top 21, Classic X

Art. No.

For stabilising the biscuit joiner in the vertical position, ideal for obtuse mitre joints

251044



Spacer for Zeta P2, Top 21, Classic X

Art. No.

5 mm, aluminium for 18 mm panels

253027

2 m, plastic for 16 mm panels

253023

4 mm, plastic for mitres

253026



P-System groove cutter DP (diamond),

Ø 100.4 × 7 × Ø 22 mm

Art. No.

Z3, 4 NL for Zeta P2

132140



P-System groove cutter HW (carbide),

Ø 100.9 × 7 × Ø 22 mm

Art. No.

Z3, 4 NL for Zeta P2

132141

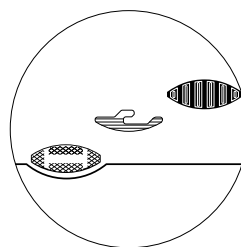
Lamello System

The original for efficient, intuitive and precise joints



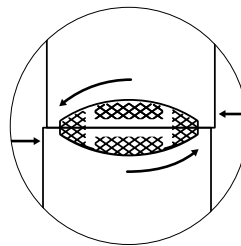


Features



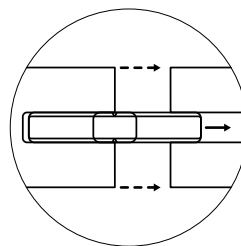
Versatile applications

One cutting principle
for many different
joining elements



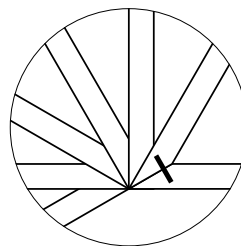
Lateral tolerance

The generous sliding
tolerance allows for
perfect flush alignment
of workpieces



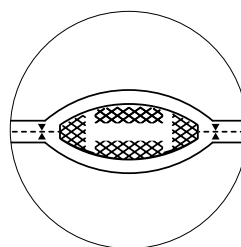
Perfect fit

The precision of the
joining elements and of
the 4 mm groove lead
to a perfect fit



Versatile

The minimal element
depth allows for mitres of
22.5–180 degrees as well
as surface and corner joints
and divisions



Symmetrical

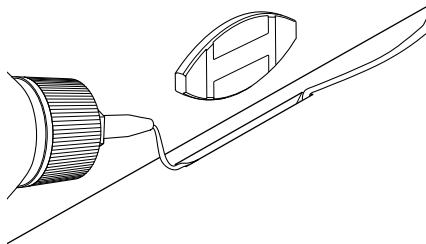
The identical groove
in both workpieces leads
to an increase in efficiency
in production

Lamello System

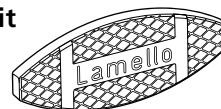
Overview

Joining methods	Connector	Machines
		Power tools

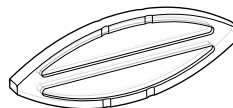
Glued



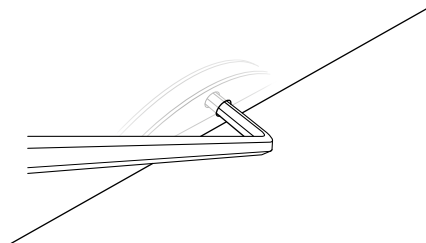
Original wood biscuit



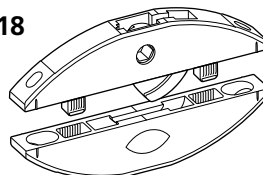
C20



Detachable



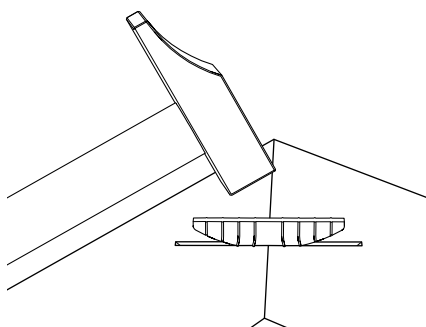
Clamex S-18



Simplex



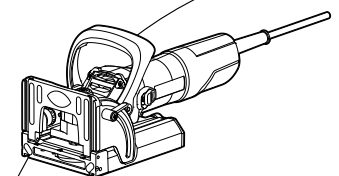
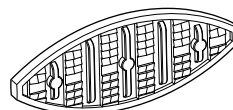
Inserted



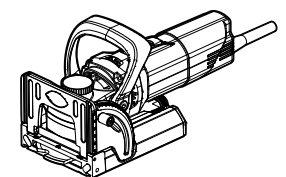
E20



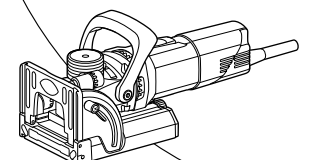
K20



Classic X
Biscuit joiner

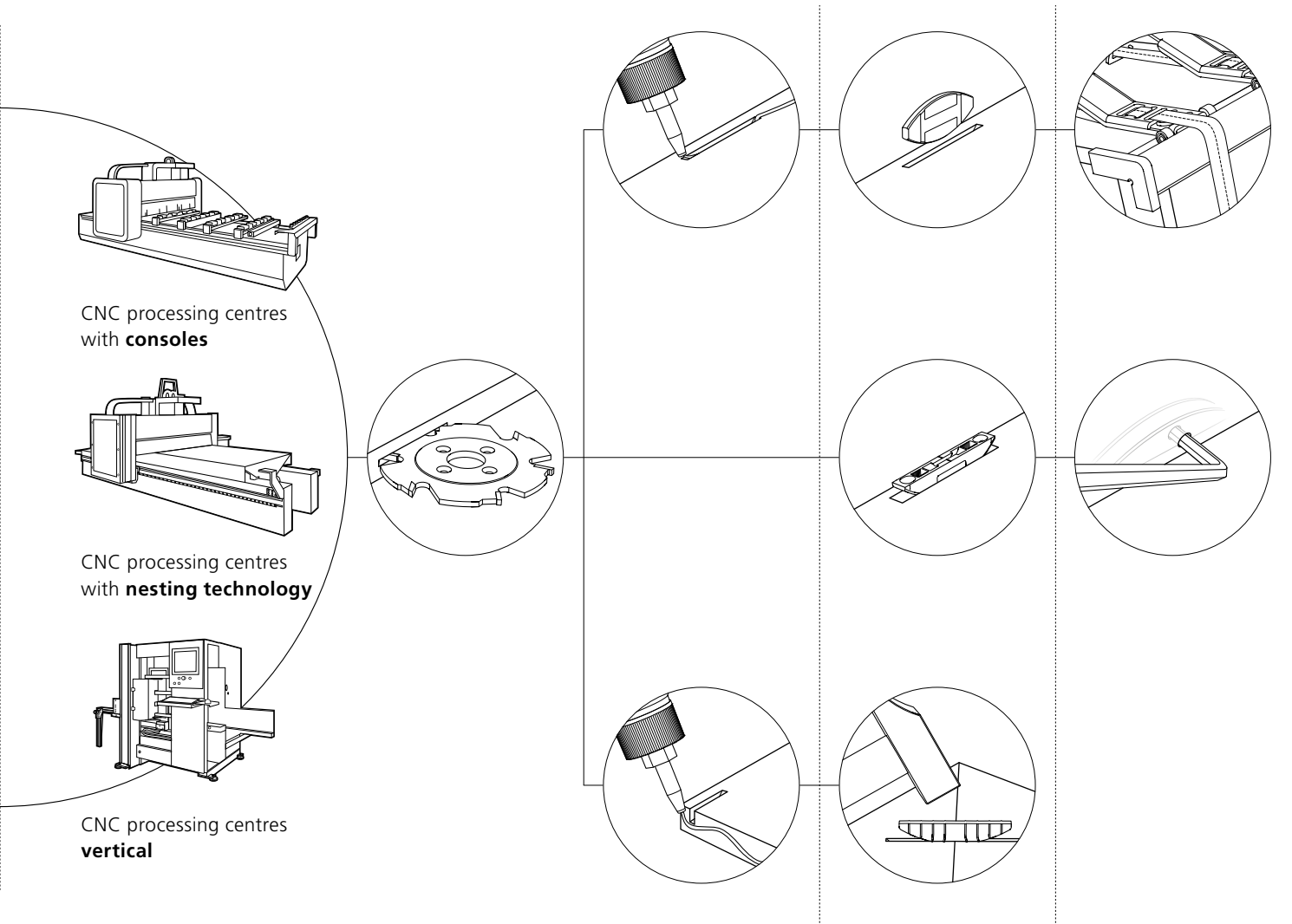



Top 21
Biscuit joiner



Zeta P2
Biscuit joiner

	Sequence			
CNC machines	1 Cut	2 Apply glue	3 Insert the connector	4 Clamp



A modern kitchen interior featuring a stainless steel range hood with a glass front and a metal frame. Below the hood, there are several bright yellow storage blocks or containers. The background is a light-colored wall, and the overall lighting is bright and even.

*« The original biscuit –
always a perfect fit!
Efficient, quick and precise! »*

Antonio Orlando, Head of Production Ladenmacher AG in Hägendorf,
Switzerland



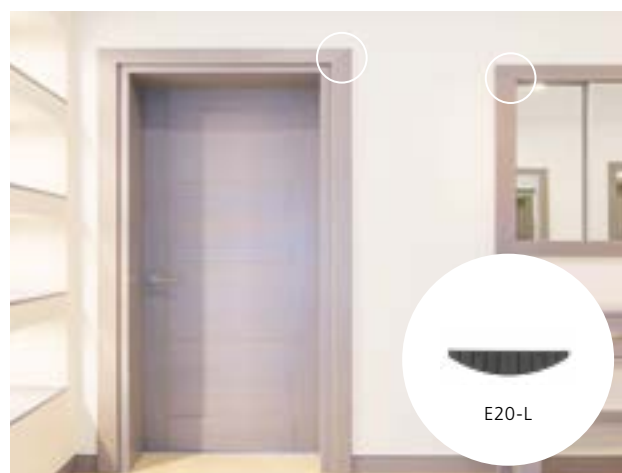
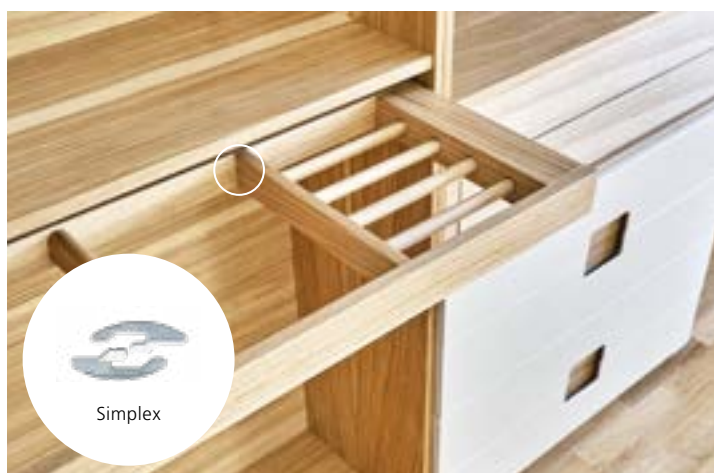
Lamello System

Applications

Furniture manufacturing



Interior fitting



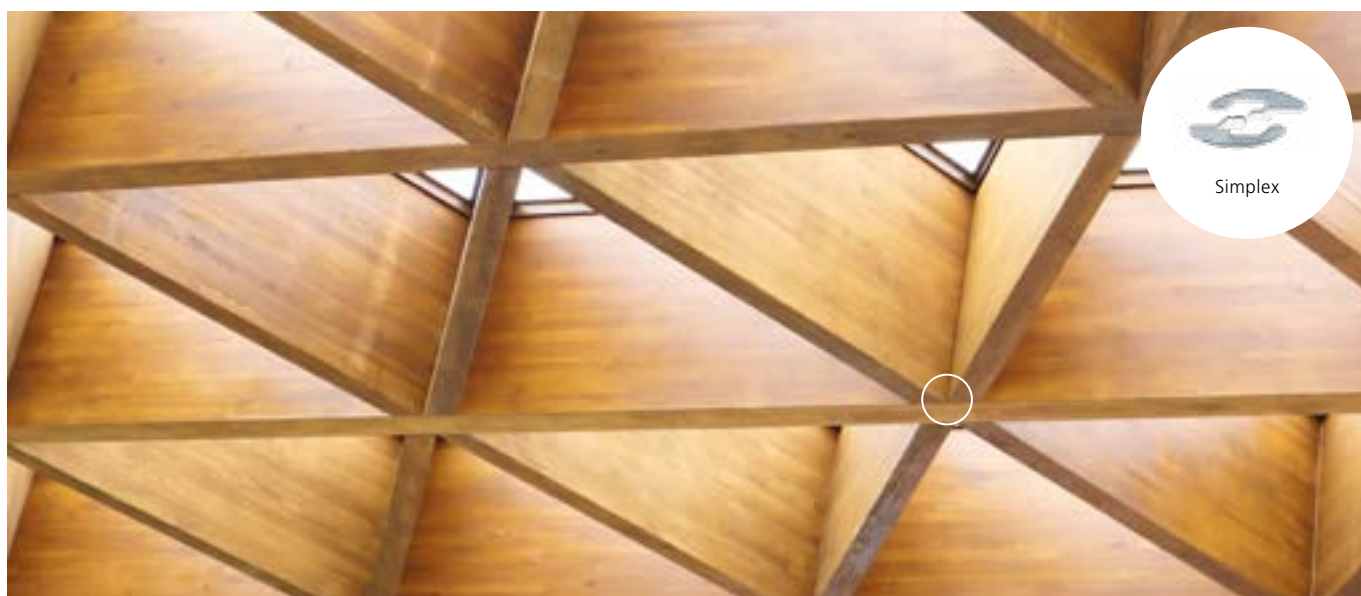
Lamello System

Applications

Kitchen manufacturing



Commercial joinery



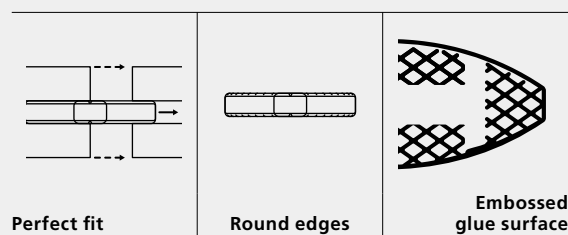
Shop fitting

Original wood biscuit

The original wood biscuit that always fits



Features



The original wood biscuit is the proven solution for wood joints and the original from the inventor of the system. The original wood biscuit guarantees quality with its dimensional accuracy, optimal glue distribution, dimensional stability as well as the sustainable cultivation of the beech wood. The perfect fit demonstrates its value from the very start, when the biscuits are easily inserted into the groove and remain in place even when the work piece is turned.

Articles



Original wood biscuit 20

Art. No.

1000 pieces

144020



Original wood biscuit 10

Art. No.

1000 pieces

144010



Original wood biscuit 0

Art. No.

1000 pieces

144000



Original wood biscuit H9*

Art. No.

1000 pieces

144009

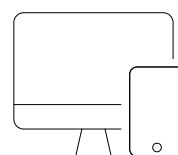
Assorted

Art. No.

500/250/250 pieces (20/10/0)

144030

www.lamello



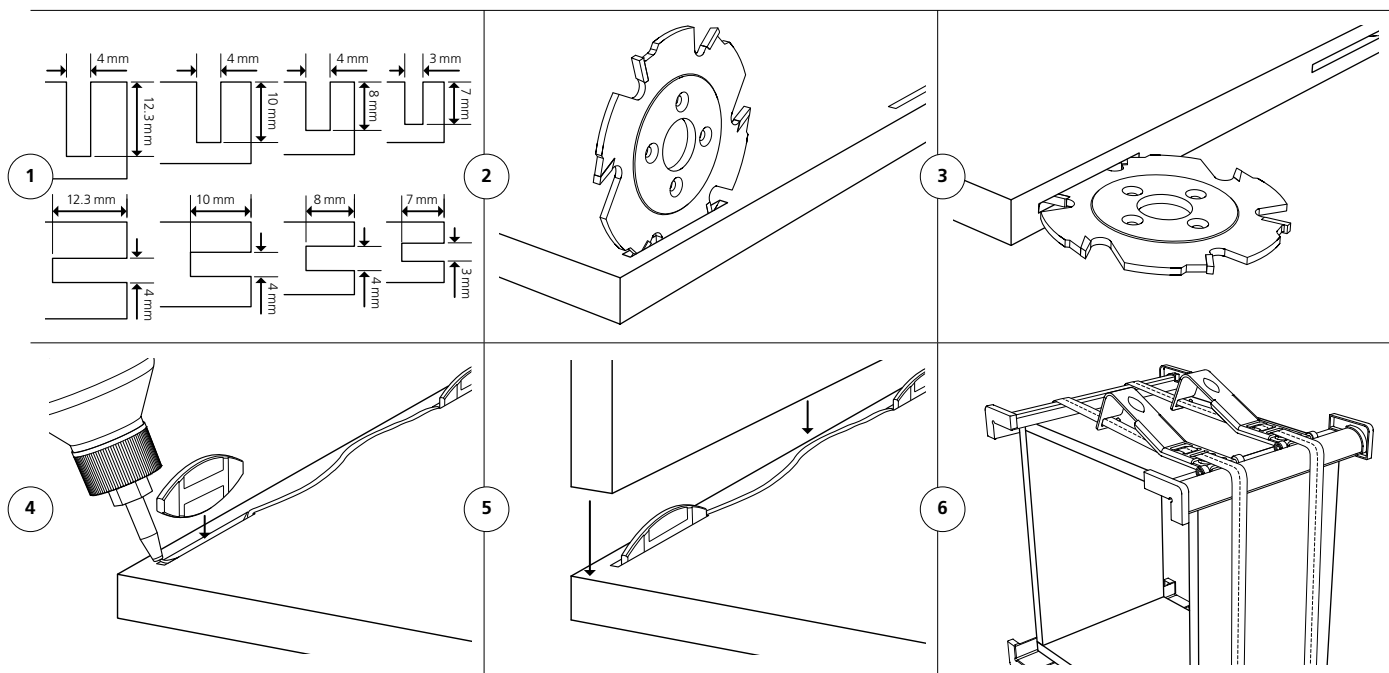
Experience the connector live and receive comprehensive product information!



* Installation of wood biscuits with cutter Ø 100 × 4 × Ø 22 mm (standard cutter). Installation of H9 wood biscuits with cutter Ø 78 × 3 × Ø 22 mm (Art. No. 132009)



Function



Technical data

Joining methods

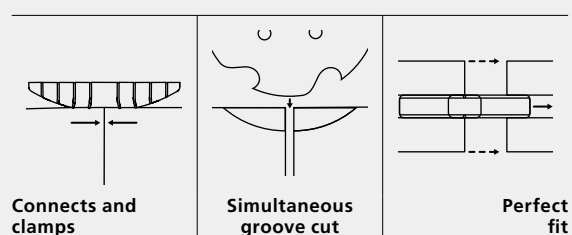
20		
10		
0		
H9		

Size 20	56 × 23 × 4 mm
Size 10	53 × 19 × 4 mm
Size 0	47 × 15 × 4 mm
Cutter	Ø 100.4 × 4 × Ø 22 mm
Size H9	38 × 12 × 3 mm
Cutter	Ø 78 × 3 × Ø 22 mm
Material connector	Beech
Installation tolerance	Long. ± 1.0 mm/radial ± 1.0 mm
Clamping force (N)	Depending on the adhesive
Material range	Particle board, MDF, plywood, softwood, hardwood etc.

E20

The self-clamping element

Features



E20 is a self-clamping element and can be used with any Lamello biscuit joiner. The E20 is driven into the 4 mm groove using a hammer. During insertion, the curved ridges on each side of the connector hold in the groove and clamp the workpieces together. E20 serves as a perfect glueing aid in the workshop or on site.

E20-L is suitable for surface joints such as picture frames, plinth or panel extensions. E20-H is used in the edge and serves as a plinth connector.

Articles

E20-H

Art. No.

80 pieces	145021
400 pieces	145026
1200 pieces	145028

E20-L

Art. No.

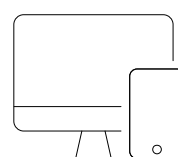
80 pieces	145022
400 pieces	145025
1200 pieces	145027

Assorted

Art. No.

40/40 pieces (E20-H/E20-L)	145020
----------------------------	---------------

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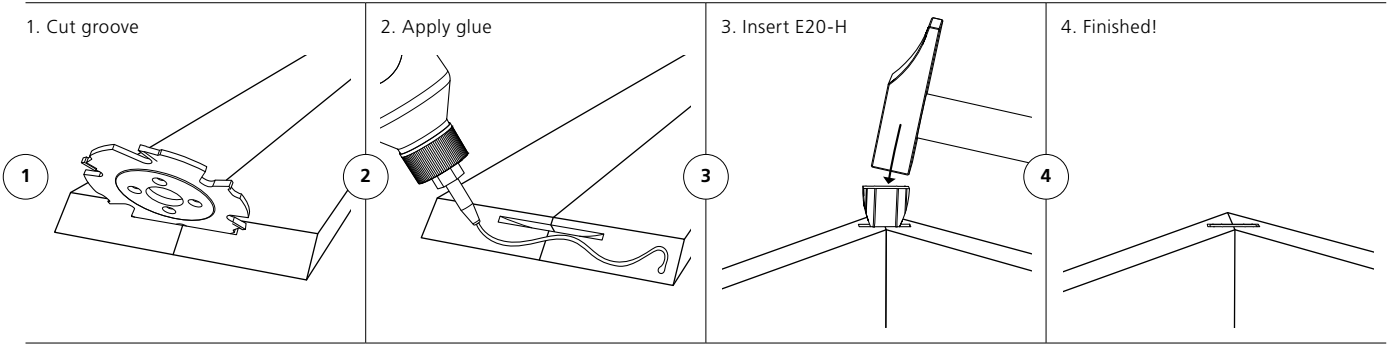
Experience the connector live and receive comprehensive product information!



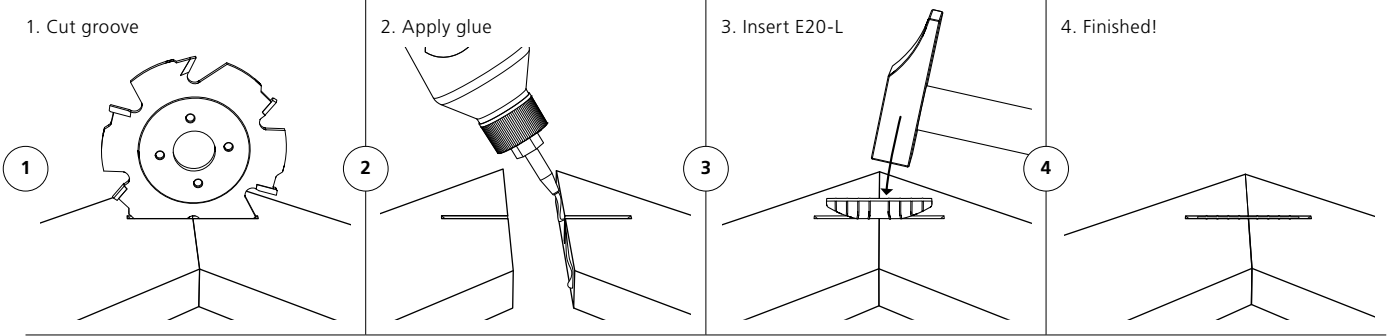


Function

E20-H

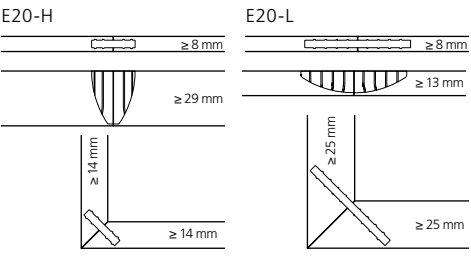


E20-L



Technical data

Joining methods



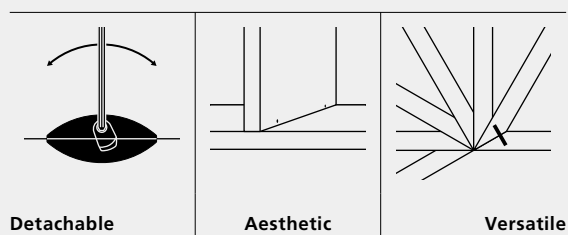
Size E20-H	23 × 28 × 4 mm
Size E20-L	56 × 11.5 × 4 mm
Cutter	Ø 100 × 4 × Ø 22 mm
Material connector	Fiberglass reinforced plastic
Clamping force (N)	Depending on the adhesive
Material range	Particle board, MDF, plywood, softwood, hardwood etc.

Clamex S-18

Detachable, flexible and simple.
Installation in an 8 mm groove
with screws



Features



Clamex S-18 is a detachable connector. It is inserted into an 8 mm wide groove and held in place with screws. Through the minimalist 6 mm access hole, Clamex S-18 is firmly connected and disconnected using a lever.

Clamex S-18 can be used with any Lamello biscuit joiner, allows aesthetic joints at all angles and is ideal for permanently joined or detachable mitres.

Clamex S-18 is used in mitre joints from 19 mm material thickness and in butt joints from 15 mm.

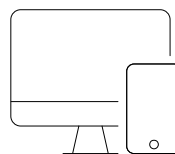
Articles



Clamex S-18	Art. No.
18 pairs, incl. screws 3 x 15 mm	145231
80 pairs	145236
300 pairs	145241
1000 pairs	145251



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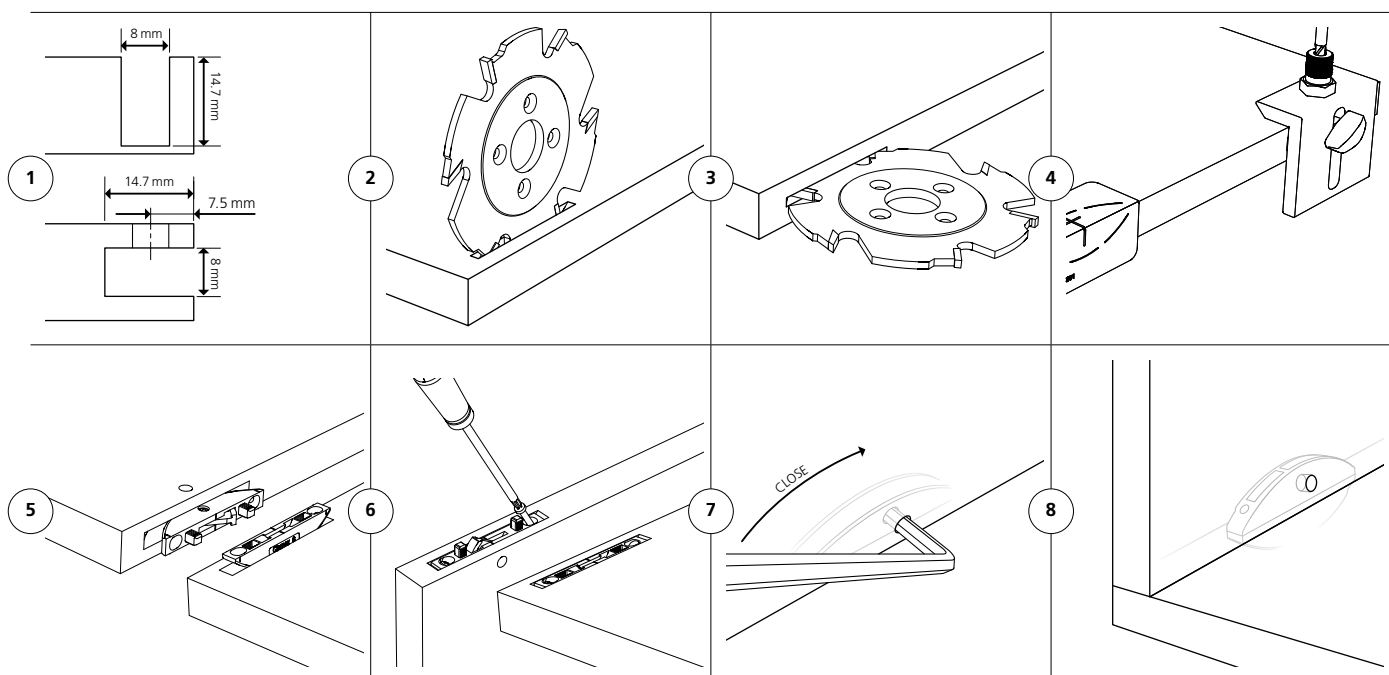
Experience the connector
live and receive comprehensive
product information!



* Double cut with 4 mm cutter and spacer
Single cut with 8 mm cutter Art. No. 132108

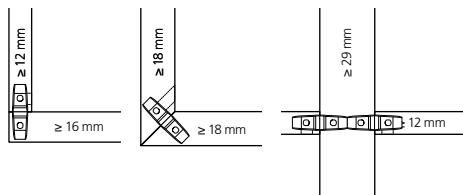


Function



Technical data

Joining methods



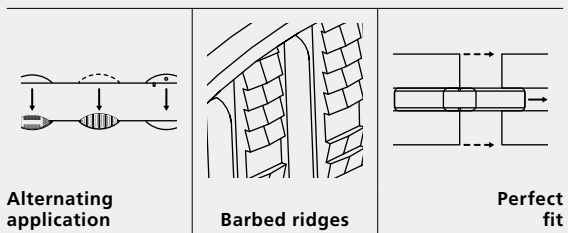
Size	66 × 29 × 8 mm		
Cutter	Ø 100 × 8 × Ø 22 mm		
Material connector	Fiberglass reinforced plastic		
Material of lever	Zinc die cast		
Screw	Panhead 3 × 15 mm		
Installation tolerance	Long. ± 1.0 mm		
Clamping force (N) Up to	MDF 600 ¹	Particle board 600 ¹	Beech 900 ¹
Material range	Particle board, MDF, plywood, softwood, hardwood etc.		

K20

The clamping element, which holds the workpiece in position



Features



K20 is a clamping element and can be used with any Lamello biscuit joiner. K20 has barbed ridges on each side of the connector which anchor themselves into the 4 mm groove.

The clamping biscuit is ideal for difficult to clamp workpieces such as fillers or covers and is able to hold workpieces in the correct position until the adhesive is dry.

The combination with the original wood biscuits size 20 results in a joint with high strength.

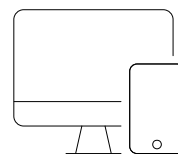
Articles



K20	Art. No.
80 pieces	145001
250 pieces	145000



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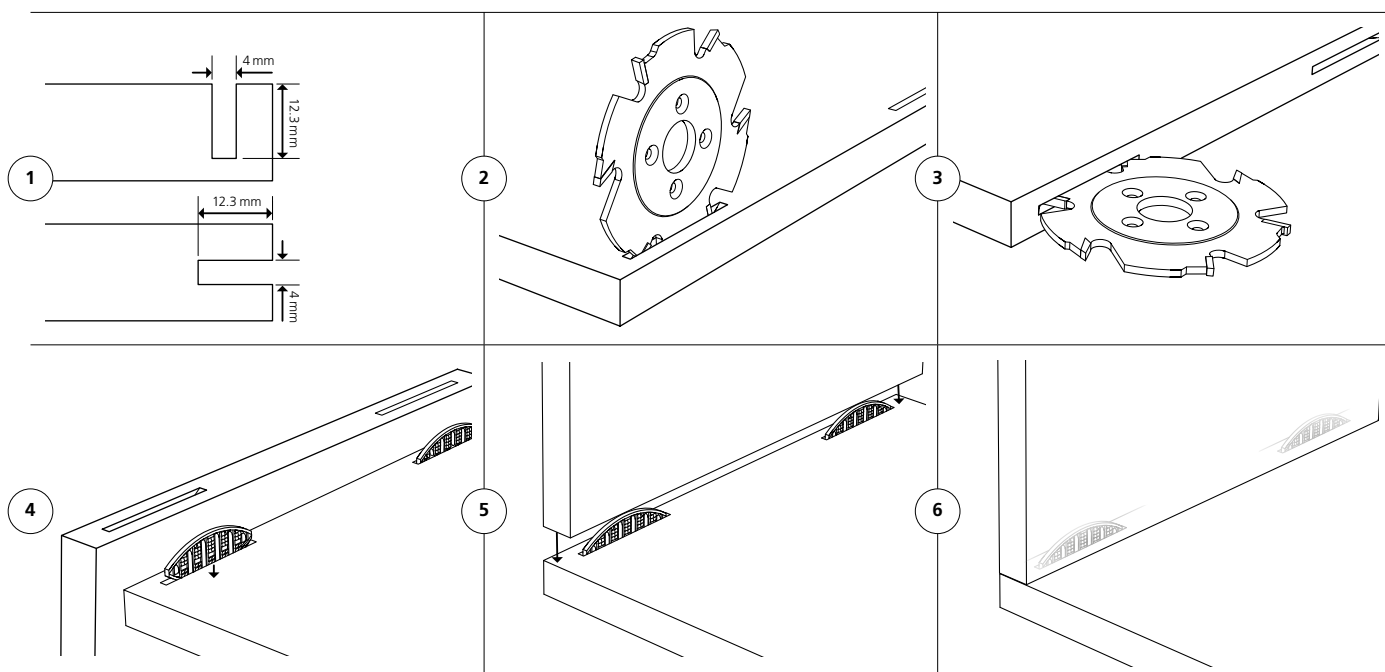


Experience the connector live and receive comprehensive product information!



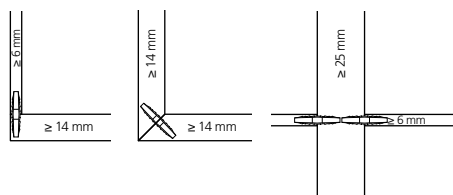


Function



Technical data

Joining methods





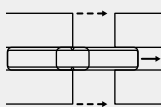
Size	60 × 24 × 4.5 mm
Cutter	Ø 100 × 4 × Ø 22 mm
Material connector	Plastic
Installation tolerance	Long. ± 1.0 mm/radial ± 1.0 mm
Clamping force (N)	Depending on the adhesive
Material range	Particle board, MDF, plywood, softwood, hardwood etc.

C20/C10

The transparent element



Features

		
Transparent	No swelling	Perfect fit

C10 and C20 plastic biscuits are the proven joining solution for mineral composite materials such as Corian, Varicor.

The white transparent plastic ensures that the connectors do not show through thin materials. The specific adhesive for composites can be used for the joints as well as for the biscuits. Since the C10 and C20 do not swell, these biscuits are also suitable for outdoor or wet areas. The sizes 10/20 match the sizes of the original wood biscuit.

Articles



C20

Art. No.

250 pieces

145010



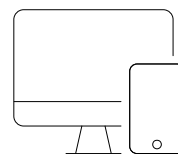
C10

Art. No.

300 pieces

145012

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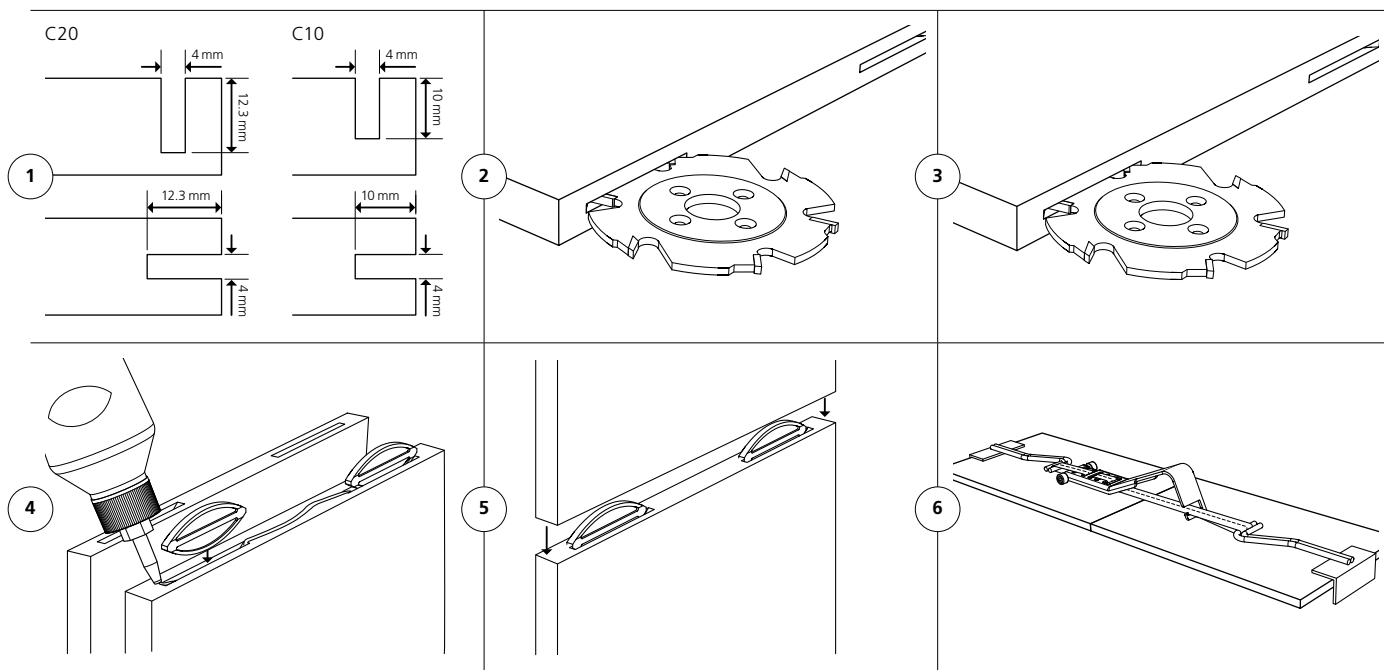


Experience the connector live and receive comprehensive product information!



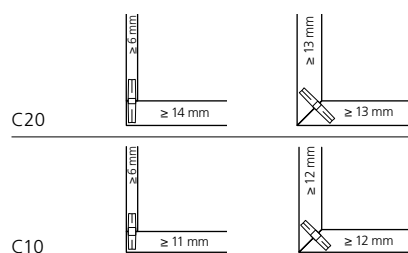


Function



Technical data

Joining methods



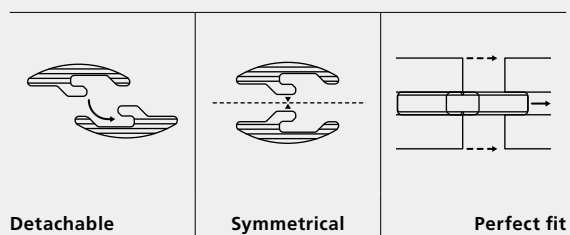
Size C20	60 × 23 × 4 mm
Size C10	53 × 19 × 4 mm
Cutter	Ø 100 × 4 × Ø 22 mm
Material connector	Plastic
Installation tolerance	Long. ± 1.0 mm/radial ± 1.0 mm
Clamping force (N)	Depending on the adhesive
Material range	Mineral material panels (e.g. Corian)

Simplex

Detachable slide-in connector



Features



Simplex is a detachable slide-in connector in two-parts for dismountable constructions and can be used with any Lamello biscuit joiner. Simplex is inserted into the 4 mm groove and anchored with PUR adhesive. The connector has a stop on one side and can be slid-in and removed again.

Simplex is ideal for repeated insertion and removal of a workpiece, e.g. an inspection cover, a filler, for detachable constructions or as a glueing aid.

Articles



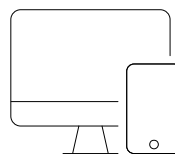
Simplex	Art. No.
50 pairs	166101
100 pairs	166100

Accessories



Simplex inserting tool	Art. No.
For accurate positioning of Simplex	166110

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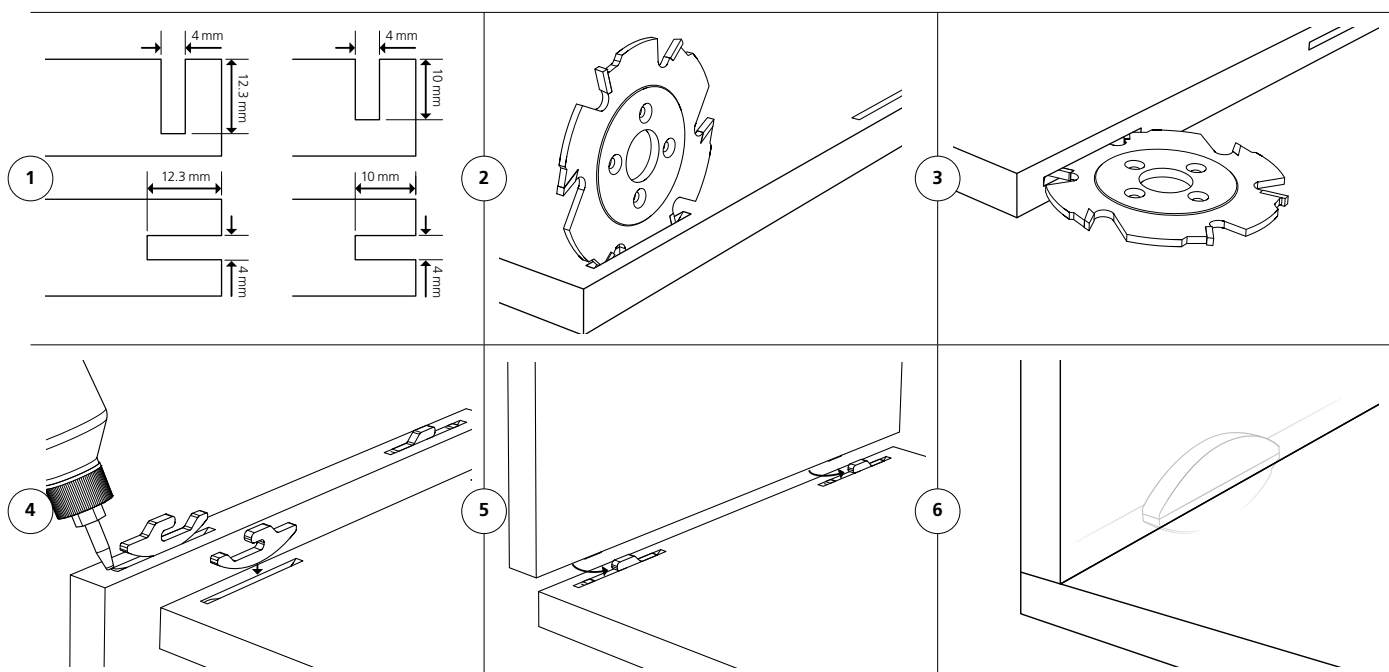


Experience the connector live and receive comprehensive product information!



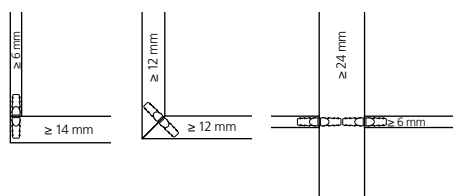


Function



Technical data

Joining methods



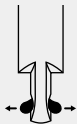

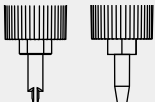
Size	54 × 23 × 4.1 mm
Cutter	Ø 100 × 4 × Ø 22 mm
Material connector	Aluminium
Installation tolerance	Long. ± 0.5 mm
Clamping force (N)	Depending on the adhesive
Material range	Particle board, MDF, plywood, softwood, hardwood etc.

Minicol

The all purpose glue applicator



Features

		
Glue application on the sides	Immediate use	Versatile nozzles

Minicol is a universal glue applicator and the ideal solution for applying glue in 4 mm grooves.

Unlike with a glue bottle, the glue exits the nozzle on the sides. Therefore glue is applied to the groove sides instead of the groove bottom, resulting in better distribution and a more stable joint.

As the glue applicators are positioned with the nozzles facing downwards in the wooden base, the glue leaves the nozzle immediately and drying out is prevented. In addition to the plastic nozzle, a metal nozzle for biscuit grooves and a pointed nozzle are also available.

Articles



Minicol glue applicator	Art. No.
With plastic nozzle	175500
for biscuit grooves	
With metal nozzle	175550
for biscuit grooves	

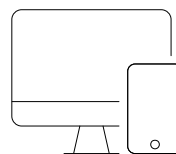


Minicol pointed nozzle	Art. No.
Plastic nozzle	335522



Minicol nozzles for biscuit grooves	Art. No.
Metal nozzle	285512
Metal nozzle for biscuits size H9	285509
Plastic nozzle	335511

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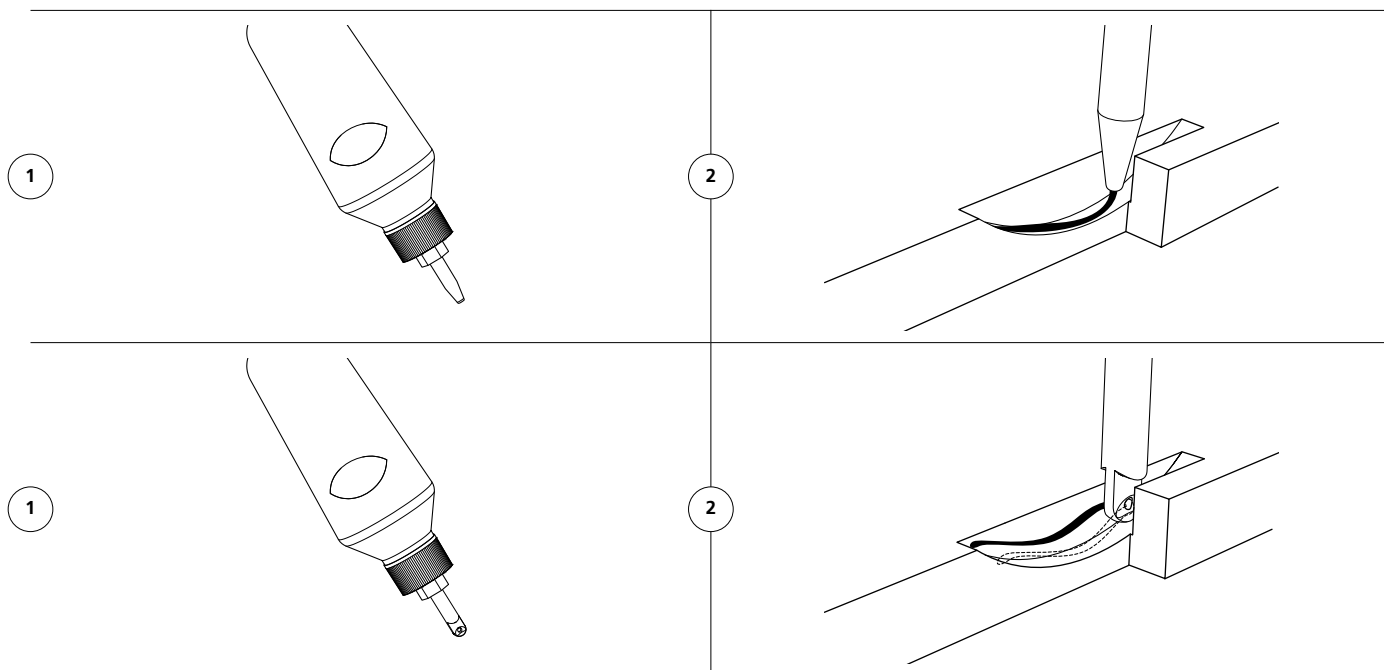


Experience the Minicol live and receive comprehensive product information!





Function



Technical data

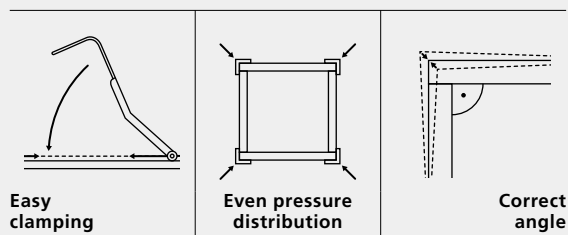
Dimension	100 × 100 × 230 mm	
Volume	300 ml	
Material	Base	Solid maple
	Bottle	Plastic
	Nozzle	Metal/Plastic

Clamping set

Clamping system for cabinets



Features



Clamping set is a system for glueing cabinets and various other components in furniture production and is an addition to the Lamello system. The clamping set consists of profile sections to protect the edges, 8 meter long straps with tensioners and two tension hooks. Unlike with screw clamps, the pressure distribution is always uniform, which means furniture is automatically clamped at right angles regardless of whether the panels are glued in a butt or mitre joint.

Clamping set is ideal for drawers, cabinets, frames or wall and floor panels.

Articles



Clamping set		Art. No.
20 cm	1 piece of clamps 8 m strap 4 pieces profile sections 20 m	175021
60 cm	2 pieces of clamps 2 pieces 8 m straps 4 pieces profile sections 60 cm 2 pieces tension hooks	175020

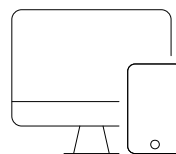


Tension hooks		Art. No.
2 pieces		175200



Profile sections		Art. No.
4 pieces, length 12 cm		175401
4 pieces, length 40 cm		175402
4 pieces, length 60 cm		175403

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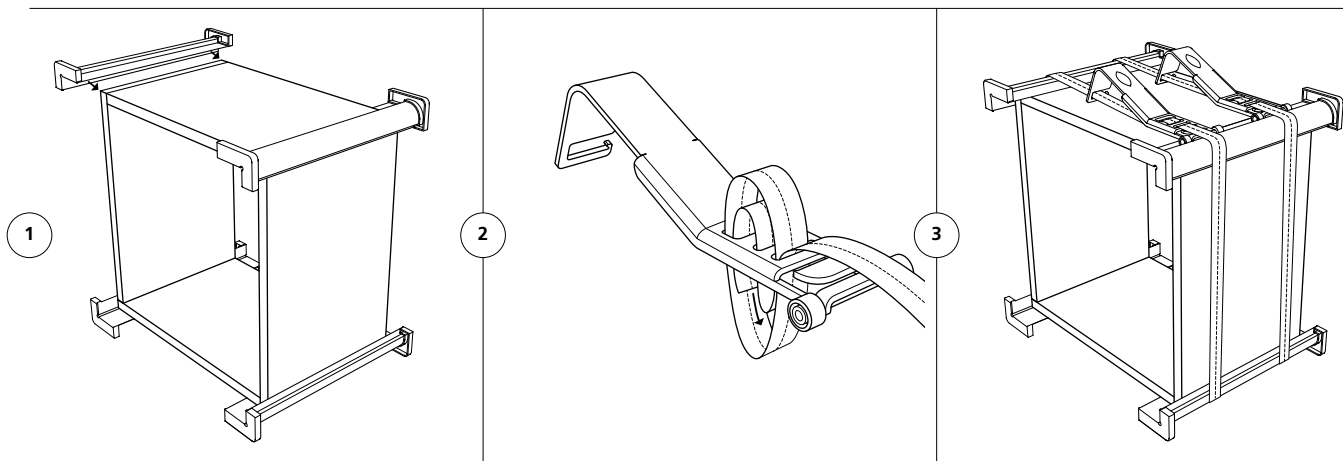


Experience the clamping set live and receive comprehensive product information!





Function



Technical data


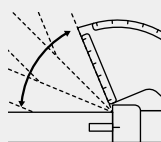
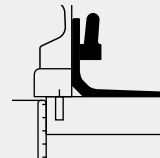
Min. workpiece length	150 mm	
Material	Aluminium protectors	Anodised aluminium
	Polyester belt for clamps	Polyester
	Clamps/Tension hooks	Metal powder-coated

Classic X

The original biscuit joiner for every workshop



Features

		
Highest precision	Versatile attachment option	Stabilising stop square

Classic X is the original biscuit joiner from the inventor of the Lamello system for cutting the 4 mm groove.

The proven and well-designed Classic X is fast and versatile in its use and the basis for the wide range of connectors with fixed, self-clamping and detachable solutions.

Precision in every component leads to perfect accuracy of the workpieces and saves time.

The multifunctional stop square allows perfect mitres by applying on the exterior surface and stabilises the machine in vertical position.

Articles



Classic X

Art. No.

In systainer

101601S

In carton

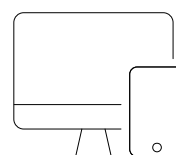
101601K



Kit contains

Classic X, groove cutter HW (carbide), suction stub 36 mm, stop square, spacer 4 mm, tool set

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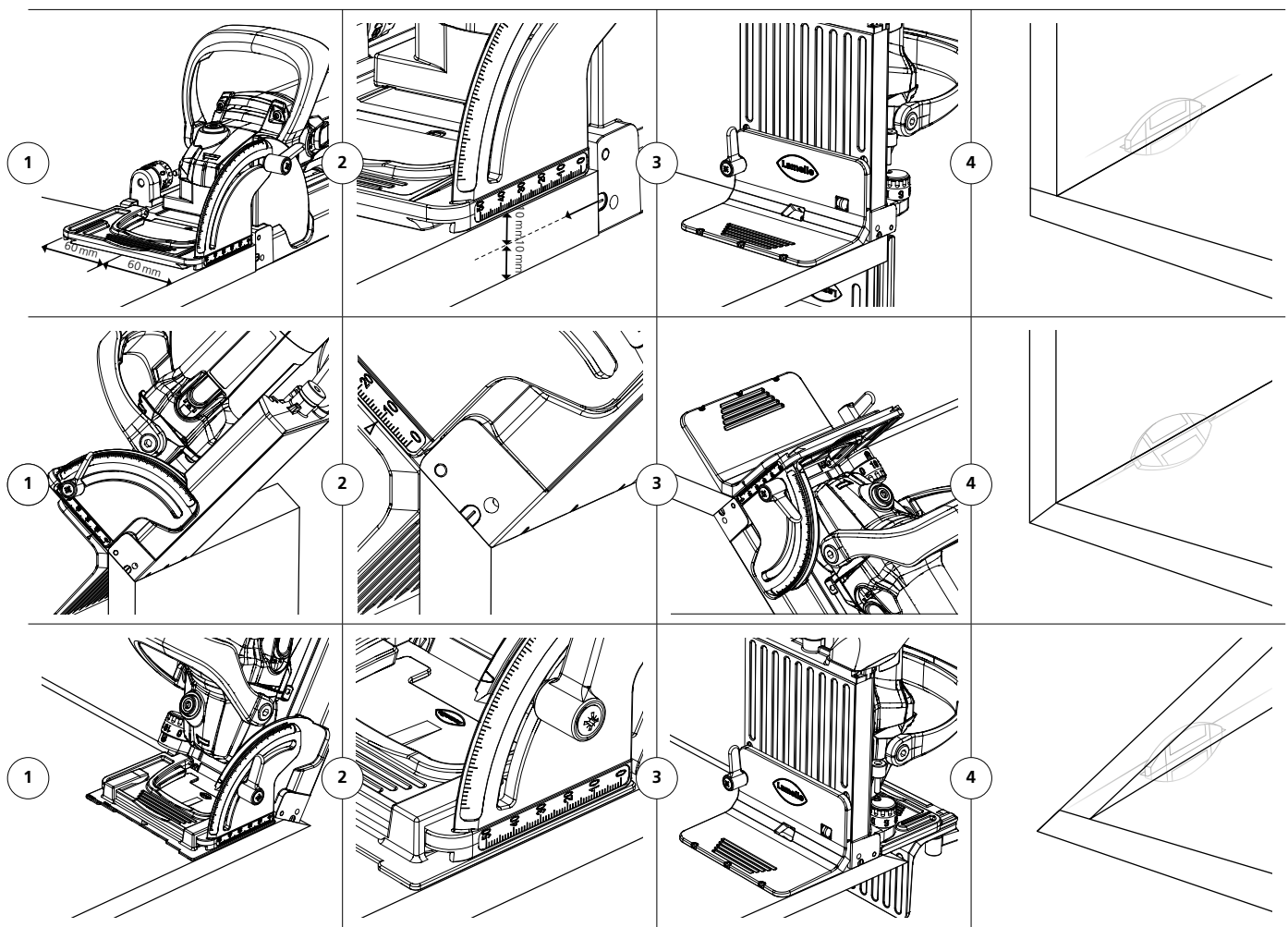


Experience Classic X live and receive comprehensive product information!





Function



Technical data

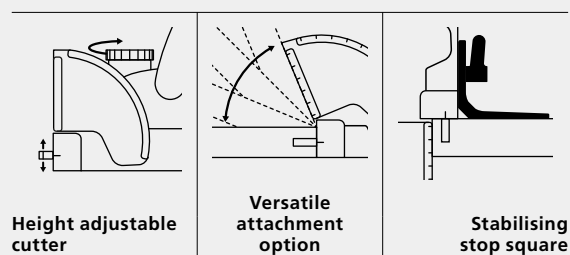
Power/Voltage	850 W/230 V or 120 V	Teeth	Z6 (3+3) with reversing teeth
Speed	10 000 min ⁻¹	Cutting depth max	20 mm
Cutter	Ø 100 × 4 × Ø 22 mm	Weight	2.9 kg

Top 21

The original biscuit joiner with height adjustable blade from the inventor



Features



Height adjustable cutter

Versatile attachment option

Stabilising stop square

Top 21 is the biscuit joiner from the inventor of the Lamello System and includes a height adjustable blade for cutting the 4 mm groove. The unique height adjustment of the cutter in steps from 0.1 mm to max. 4 mm allows positioning the groove in the middle of the material thickness.

Precision in every component leads to perfect accuracy of the workpieces and saves time.

The multifunctional stop square allows perfect mitres by applying on the exterior surface and stabilises the machine in vertical position.

Articles



Top 21

Art. No.

In systainer

101500S

In systainer with carbide reversing blade cutter

101500SW

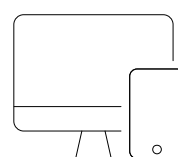


Kit contains

Top 21, groove cutter HW, suction stub 23 mm, suction stub 36 mm, dust bag, stop square, spacer 4 mm, tool set



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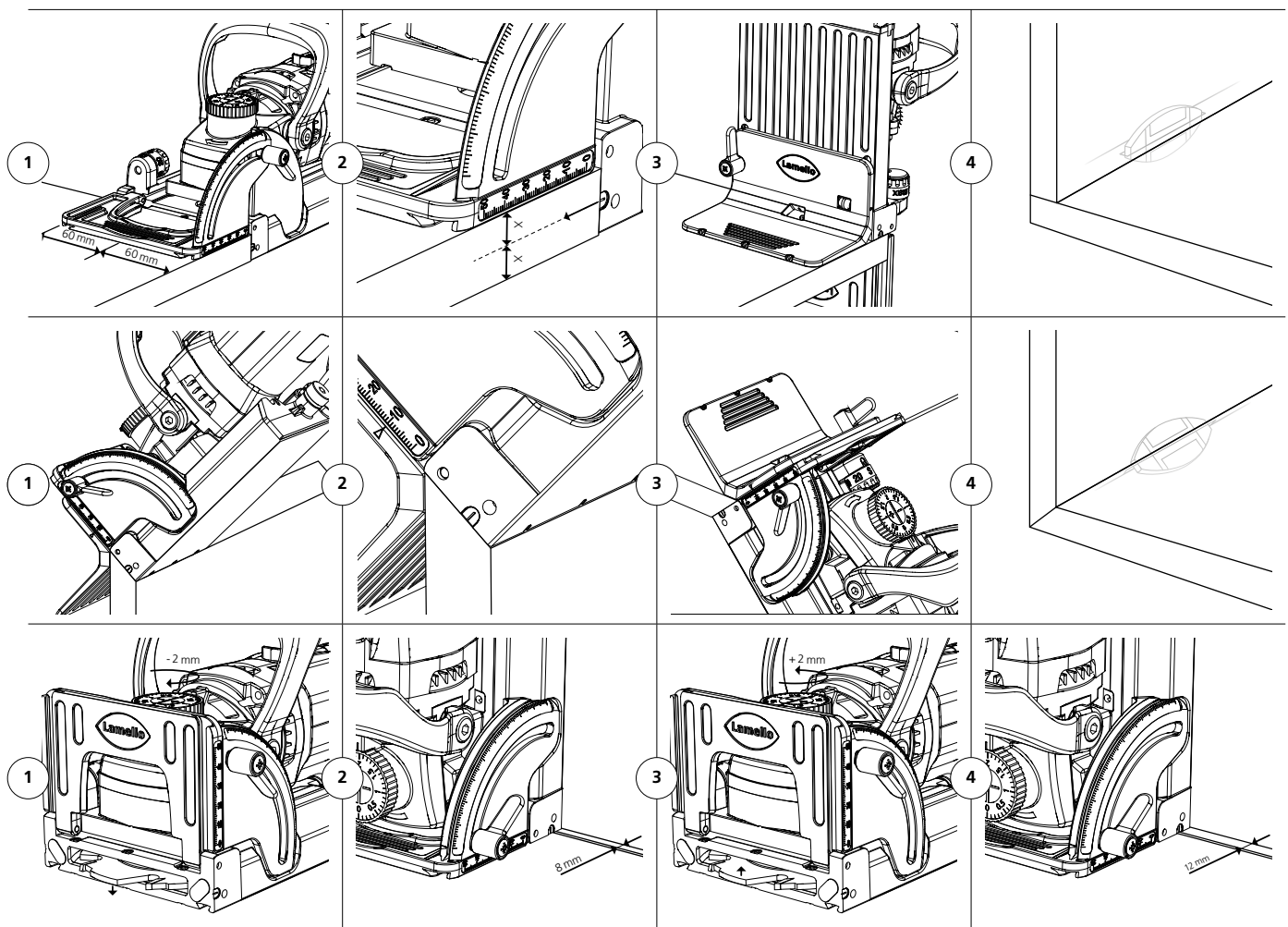


Experience Top 21 live and receive comprehensive product information!





Function



Technical data

Power/Voltage	1 050 W/230 V
	800 W/120 V
Speed	9 000 min ⁻¹
Cutter	Ø 100 × 4 × Ø 22 mm

Teeth	Z2 + V4 with scoring teeth
Cutting depth max	20 mm
Weight	3.5 kg

Accessories

Classic X and Top 21

Accessories



Stop square for Zeta P2, Top 21, Classic X	Art. No.
For stabilising the biscuit joiner in the vertical position, ideal for obtuse mitre joints	251044



Spacer for Zeta P2, Top 21, Classic X	Art. No.
5 mm, aluminium for 18 mm panels	253027
2 m, plastic for 16 mm panels	253023
4 mm, plastic for mitres	253026



Slide shoe for biscuit joiner	Art. No.
To protect the wall and the machine for Zeta P2/Top 21/Classic X	251057



Carbide tipped saw blades HW (carbide)	Art. No.
for expansion gaps, Ø 100 × 2.4 × Ø 22 mm	
Z20, 4 screw holes, 2 spacers for Zeta P2/Top 21/Classic X	132350



Groove cutter HW (carbide),	Art. No.
Ø 100 × 4 × Ø 22 mm	
Z2 + V4 scoring teeth, 4 screw holes, hub for Zeta P2/Top 21/Classic X	132000



	Art. No.
Z6 alternating teeth, without hub, with spacer for Classic X	132106



Groove cutter HW (carbide), Ø 78 × 3 × Ø 22 mm	Art. No.
Z4, 4 Screw holes, with hub for original wooden biscuit H9 for Zeta P2/Top 21/Classic X	132009



Groove cutter HW (carbide) with reversible blades,	Art. No.
Ø 100 × 8 × Ø 22 mm (Clamex S-18 connector)	
Z4 + V4, 4 screw holes for Top 20, Top 21, Classic X	132108



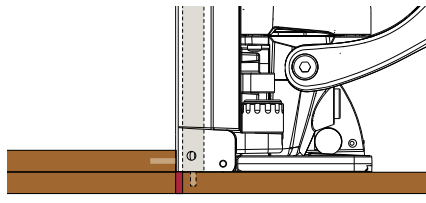
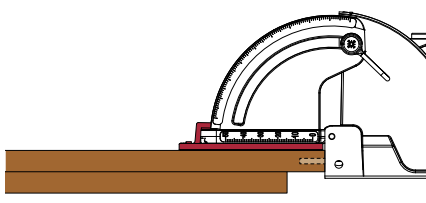
Dust bag	Art. No.
For biscuit joiner	337530
and extractor stub Ø 36 mm	257530



Extractor stub 36 mm	Art. No.
For biscuit joiner (Festool compatible)	331007



Deflector stub	Art. No.
For biscuit joiner	331005





20



E20-H



C20



10



E20-L



C10



0



K20



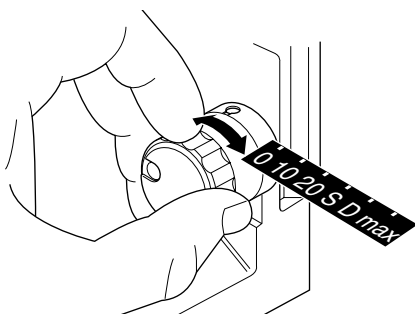
Simplex



Clamex S-18

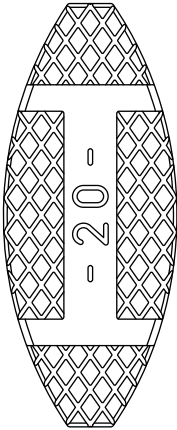
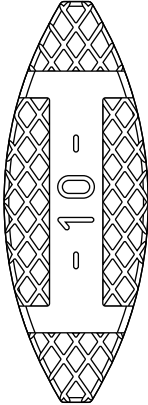
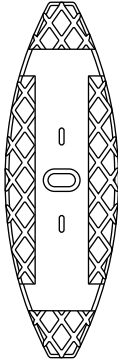
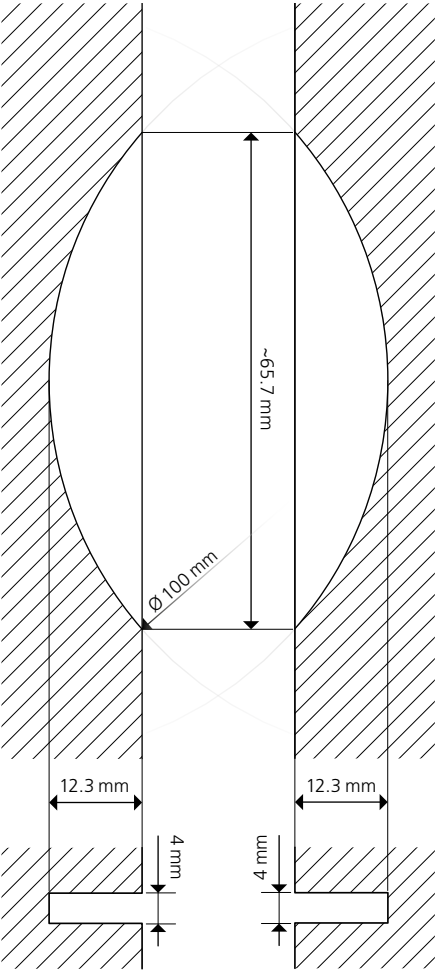
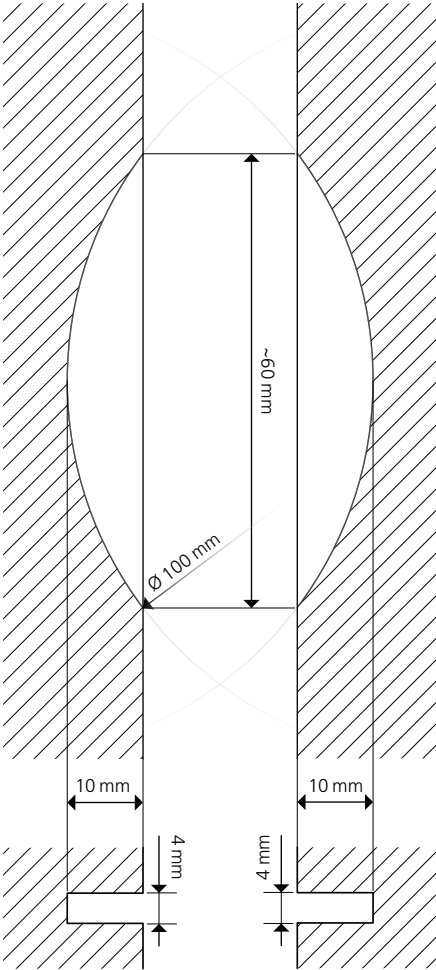
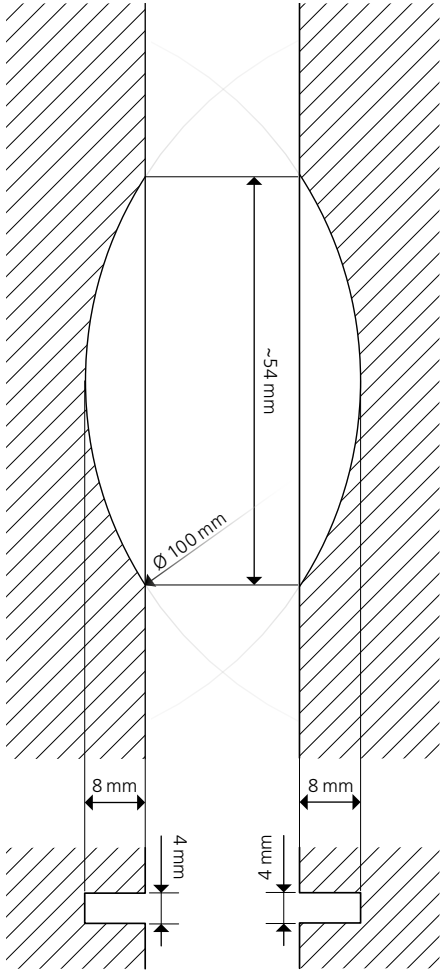


H9

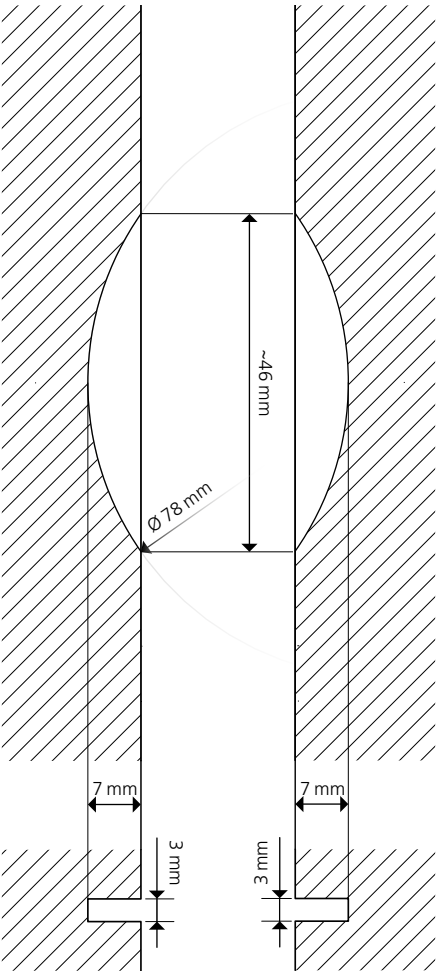


Technical information

Overview of connectors + grooves (scale 1:1)

Original wood biscuit 20	Original wood biscuit 10	Original wood biscuit 0
		
		
Tensile strength (N)		
Depending on the adhesive	Depending on the adhesive	Depending on the adhesive

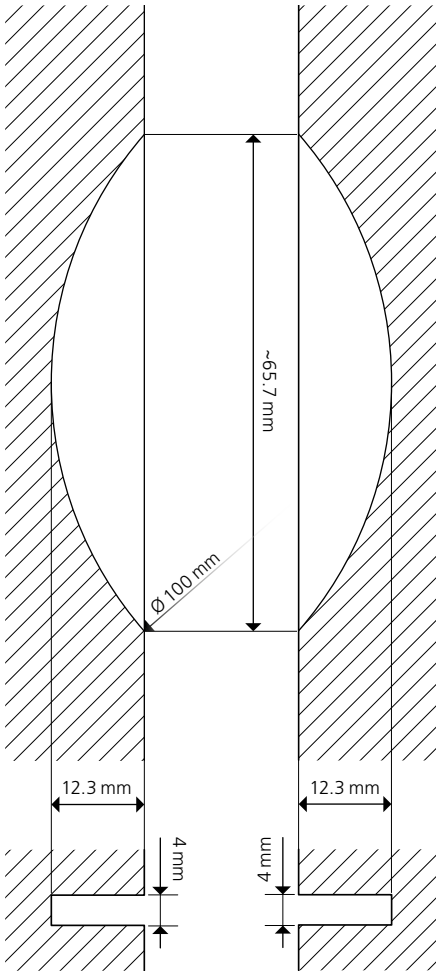
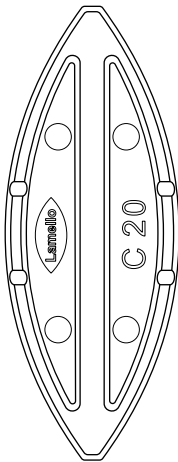
Original wood biscuit H9



Tensile strength (N)

Depending on the adhesive

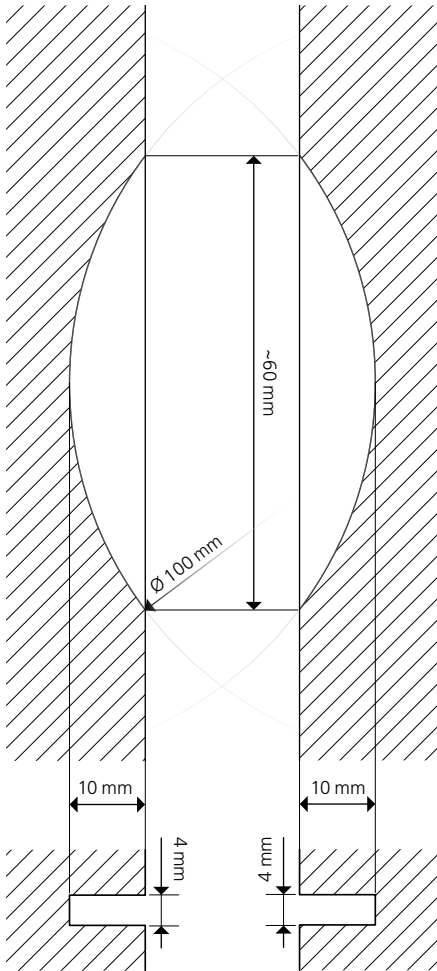
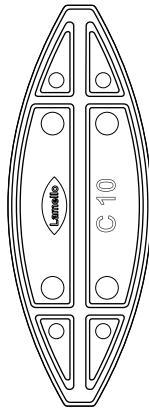
C-20



Tensile strength (N)

Depending on the adhesive

C10

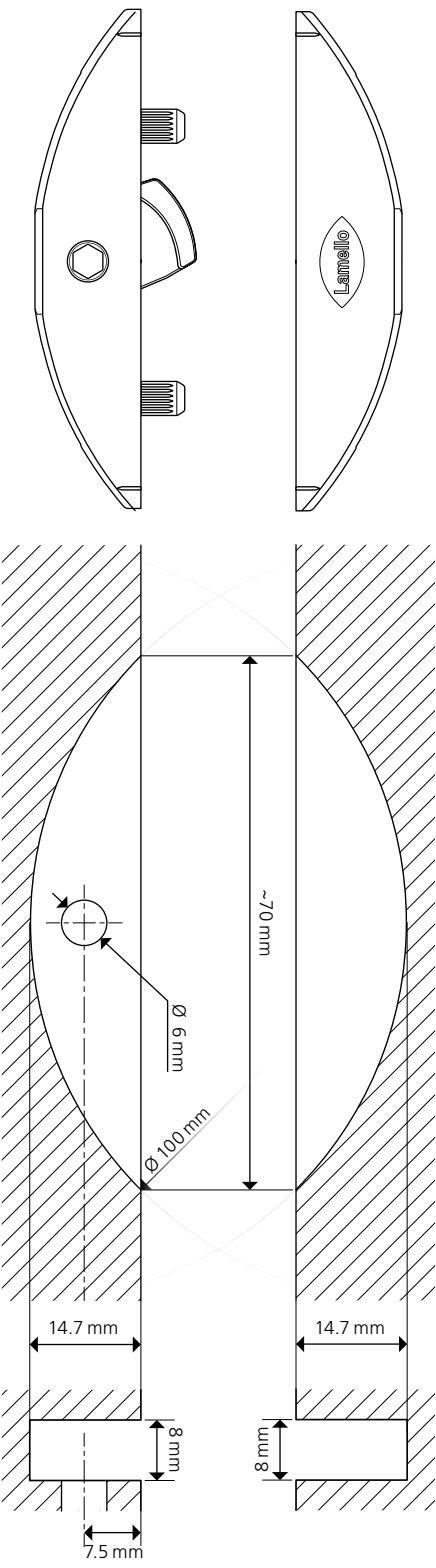
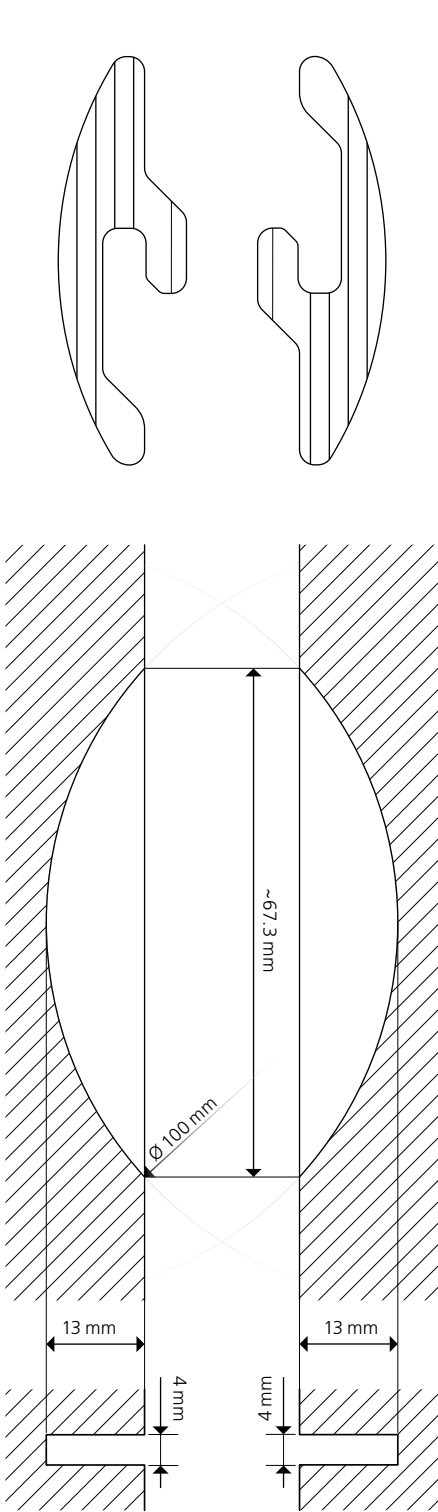


Tensile strength (N)

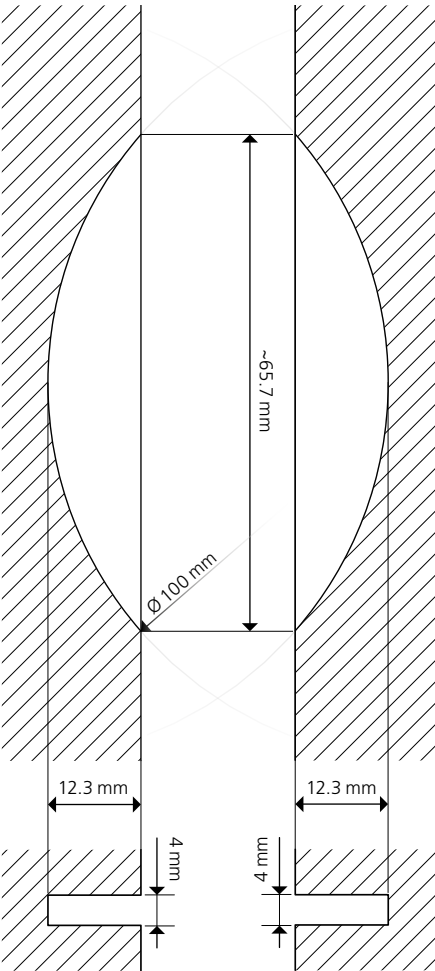
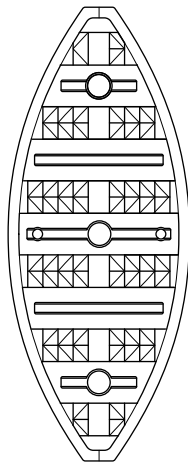
Depending on the adhesive

Technical information

Overview of connectors + grooves (scale 1:1)

Clamex S-18	Simplex
	
Tensile strength (N)	
Depending on the adhesive	Depending on the adhesive

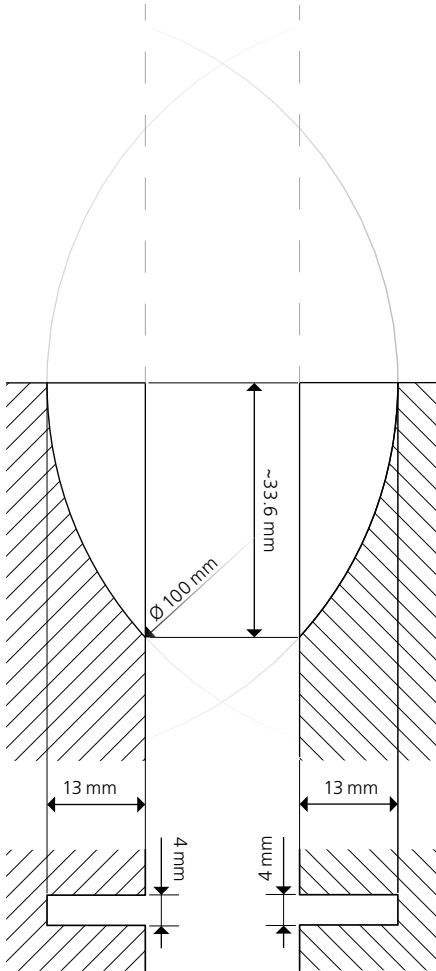
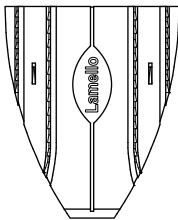
K20



Tensile strength (N)

Depending on the adhesive

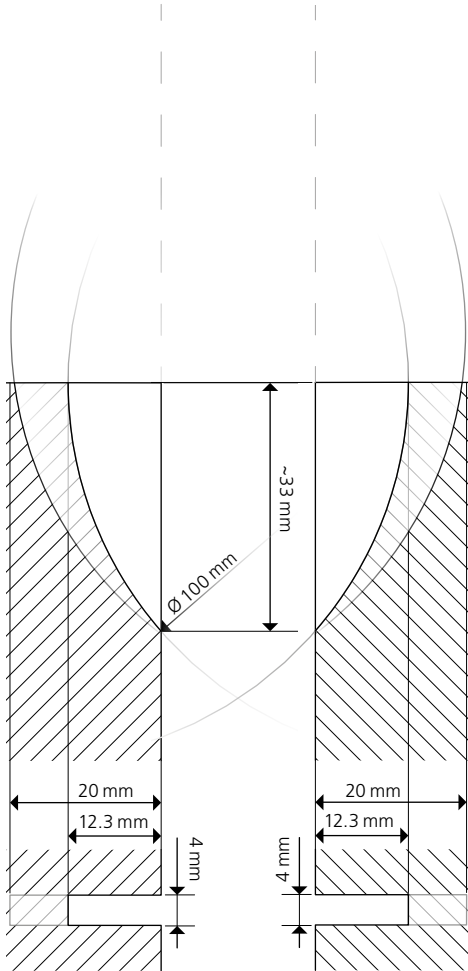
E20-H



Tensile strength (N)

Depending on the adhesive

E20-L



Tensile strength (N)

Depending on the adhesive

Accessories/ Spare Parts

Lamello System

Lamello System



Stop square for Zeta P2, Top 21, Classic X

Art. No.

For stabilising the biscuit joiner in the vertical position, ideal for obtuse mitre joints

251044



Spacer for Zeta P2, Top 21, Classic X

Art. No.

5 mm, aluminium for 18 mm panels

253027

2 m, plastic for 16 mm panels

253023

4 mm, plastic for mitres

253026



Systainer II T-loc

Art. No.

Systainer II T-loc, empty

331565

Insert with two partitions

360018

for systainer II

Insert systainer II T-loc

360014

for Zeta P2/Top21/Classic X



Groove cutter HW (carbide),

Ø 100 × 4 × Ø 22 mm

Art. No.

Z2 + V4 scoring teeth, 4 screw holes, hub
for Zeta P2/Top 21/Classic X

132000



Art. No.

Z6 alternating teeth, without hub, with spacer
for Classic X

132106



Groove cutter HW (carbide),

Ø 78 × 3 × Ø 22 mm

Art. No.

Z4, 4 Screw holes, with hub for original wooden
biscuit H9 for Zeta P2/Top 21/Classic X

132009



Groove cutter HW (carbide) with reversible blades,

Ø 100 × 4 × Ø 22 mm

Art. No.

Z2 + V2, 4 screw holes with hub
for Zeta P2/Top 21/Classic X

132001

Set of 4 pieces

132111

Countersunk screws

352408T

Allen key, 4 mm

271959L



Groove cutter HW (carbide) with reversible blades,

Ø 100 × 4 × Ø 22 mm

Art. No.

Z4 + V4, 4 screw holes without hub, with spacer
for Zeta P2/Top 21/Classic X

132130

Set of 10 pieces main teeth

132134

Set of 10 pieces scoring teeth

132135

Replcement set,

132133

4 scoring teeth + 4 main teeth

Screws

352130

Torx key

352133



Groove cutter HW (carbide) with reversible blades,

Ø 100 × 8 × Ø 22 mm (Clamex S-18 connector)

Art. No.

Z4 + V4, 4 screw holes

132108

for Top 20/Top 21/Classic X

Set of 10 pieces scoring teeth

132137

Set of 10 pieces main teeth

132136

Replcement set,

132114

4 scoring teeth + 4 main teeth

Accessories/ Spare Parts

Lamello System

Lamello System



Slide shoe for biscuit joiner

Art. No.

To protect the wall and the machine
for Zeta P2/Top 21/Classic X

251057



Carbide tipped saw blades HW (carbide)

for expansion gaps, Ø 100 × 2.4 × Ø 22 mm

Art. No.

Z20, 4 screw holes, 2 spacers

132350

for Zeta P2/Top 21/Classic X



Accessories for saw blades

Art. No.

Spacer, Ø 40 × 1 × Ø 22 mm

322510

with screw holes

for Zeta P2/Top 21/Classic X



Art. No.

Flange M8 to saw blades

252502



Clamex S drill jig

Art. No.

Clamex S drill jig 30° – 150°,

125240

with 6 mm drill complete



Clamex S-18 set

Art. No.

Drill jig for 30° – 150° incl. drill and carbide
tipped groove cutter
with drill jig and cutter
includes 1 set 125240 and 1 piece 132108

125250

Clamping set parts



Clamps

Art. No.

5 m clamping strap
8 m clamping strap
10 m clamping strap

175005

175008

175010



Buckle for clamps

Art. No.

1 piece, without strap

175060



Polyester strap for clamps

Art. No.

1 roll of 50 m

175050



Art. No.

Per meter m¹

335000



Tension hooks

Art. No.

2 pieces

175200



Profile sections

Art. No.

4 pieces, length 12 cm
4 pieces, length 40 cm
4 pieces, length 60 cm

175401

175402

175403

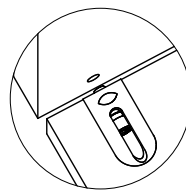
Drilling System

Unique drilling systems for high demands
on productivity and aesthetics

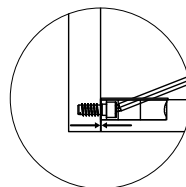




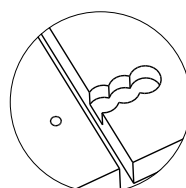
Features Cabineo



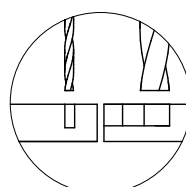
Fast
assembly



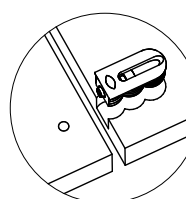
High clamping
force



No edge
drilling

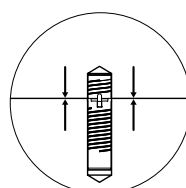


No dowel
holes

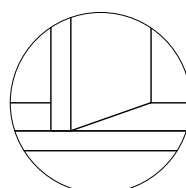


One-piece and
pre-installed

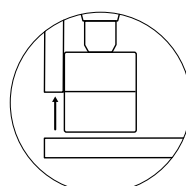
Features Invis Mx2



Fast
assembly



Invisible

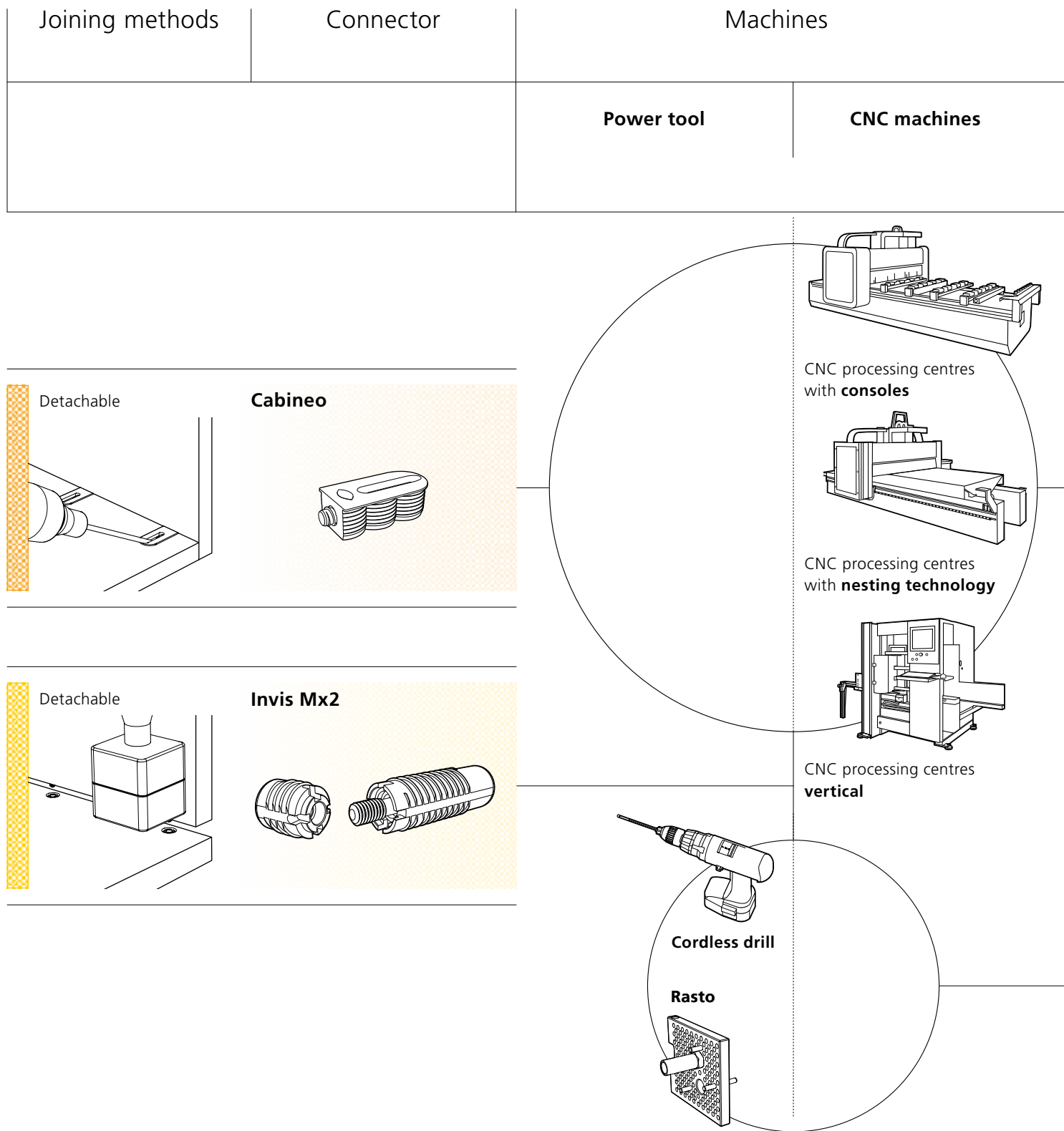


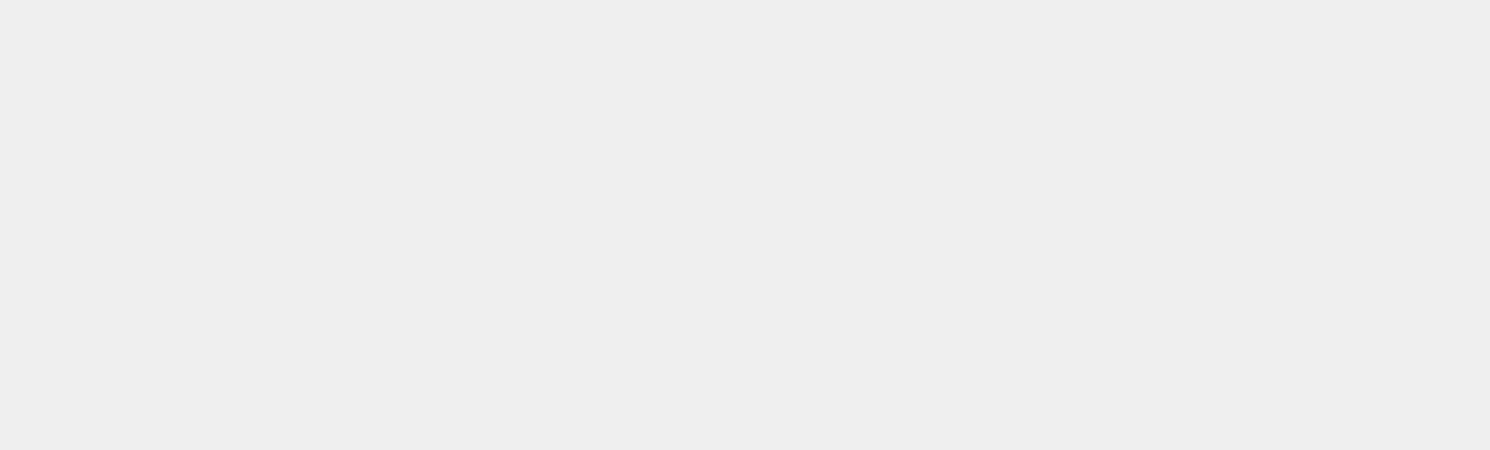
Detachable

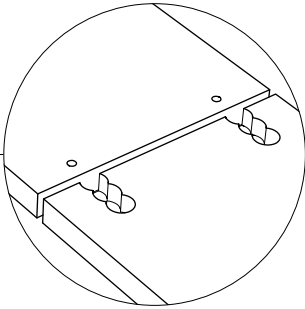
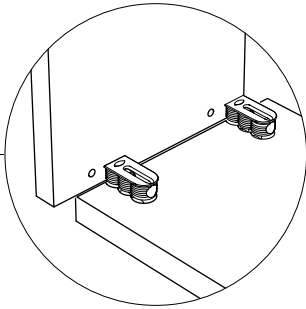
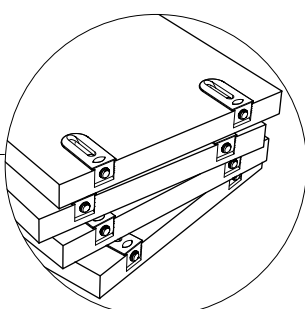
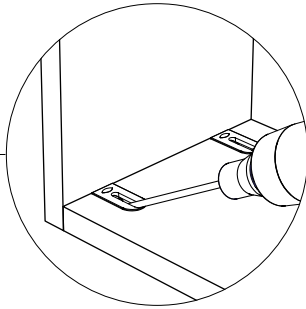
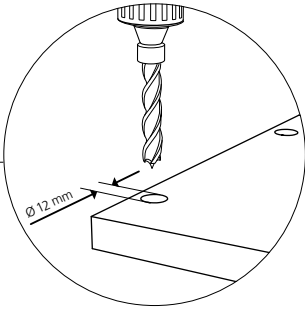
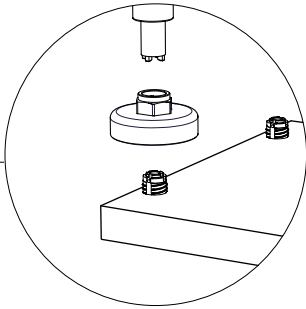
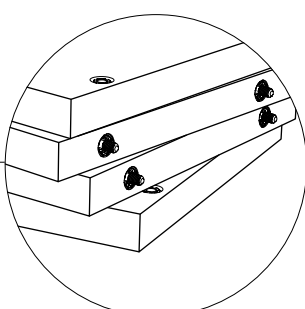
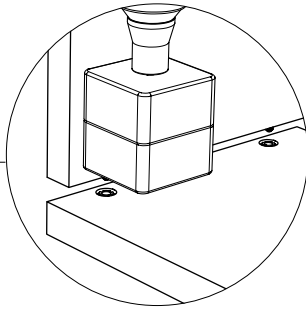
Drilling System

- Cabineo
- Invis Mx2


Overview





Sequence				
	1 Processing	2 Connector insertion	3 Deliver flat pack	4 Assembly
				
				



A photograph of two men in a workshop. On the left, an older man with glasses and a mustache, wearing a black zip-up jacket, is smiling and looking towards the right. On the right, a younger man with dark hair, wearing a black polo shirt, is focused on using a red and black power drill to work on a white rectangular panel. The background shows a workshop environment with various tools and equipment.

« The fitting impressed us due to its simple processing, time-saving assembly, detachability and high clamping force. »

Karl Lenhart jun., Owner, Lenhart joinery in the Tyrolean uplands

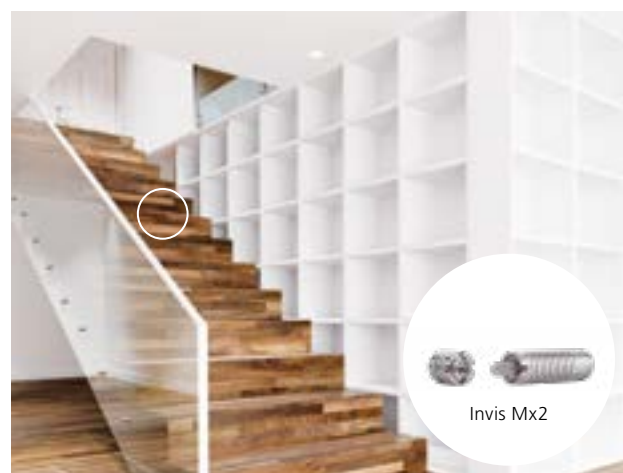
Drilling System

Applications

Furniture manufacturing



Interior fitting



Drilling System

Applications

Kitchen manufacturing



Commercial joinery



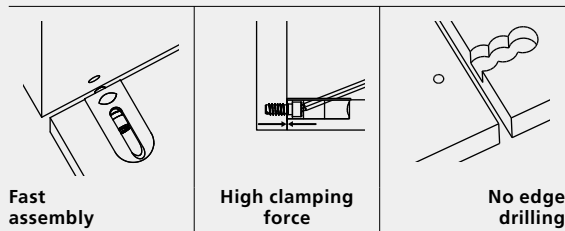
Shop fitting

Cabineo 12

Time-saving cabinet connector
for corner joints from 13 mm



Features



Cabineo 12 is a one-piece cabinet connector which can be used with all CNC machines because only surface machining is required. The Cabineo is installed in the board either in the workshop or on site. The pre-assembled screw in the connector is screwed into the 5 mm hole of the second workpiece using a cordless drill. Cabineo impresses with its time-saving processing and assembly as well as the high clamping force which leads to stable connections without the need for additional dowels. Cabineo is available in white or black.

Articles



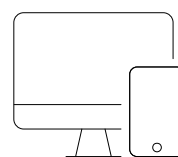
Cabineo 12	Art. No.
500 pieces	186320
2000 pieces	186321



Cabineo 12 black	Art. No.
500 pieces	186330
2000 pieces	186331

Cabineo 8/12 Starter set	Art. No.
Cabineo 8 + 12 (40 pieces each), incl. Cabineo hex bit and set of cover caps (40 pieces)	186305

www.lamello



Experience the connector
live and receive comprehensive
product information!



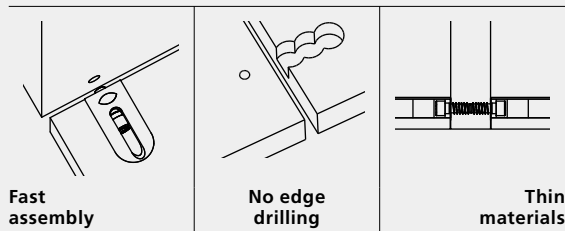
* Original size

Cabineo 8

Time-saving cabinet connector
for centre panels from 16 mm



Features



Cabineo 8 is a one-piece cabinet connector which can be used with all CNC machines because only surface machining is required. The Cabineo is installed in the board either in the workshop or on site. The pre-assembled screw in the connector is screwed into the 5 mm hole of the second workpiece using a cordless drill. Cabineo impresses with its time-saving processing and assembly as well as the high clamping force which leads to stable connections without the need for additional dowels. Cabineo is available in white or black.

Articles



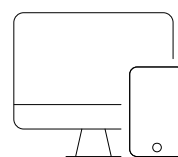
Cabineo 8	Art. No.
500 pieces	186310
2000 pieces	186311



Cabineo 8 black	Art. No.
500 pieces	186340
2000 pieces	186341

Cabineo 8/12 Starter set	Art. No.
Cabineo 8 + 12 (40 pieces each), incl. Cabineo hex bit and set of cover caps (40 pieces)	186305

www.lamello



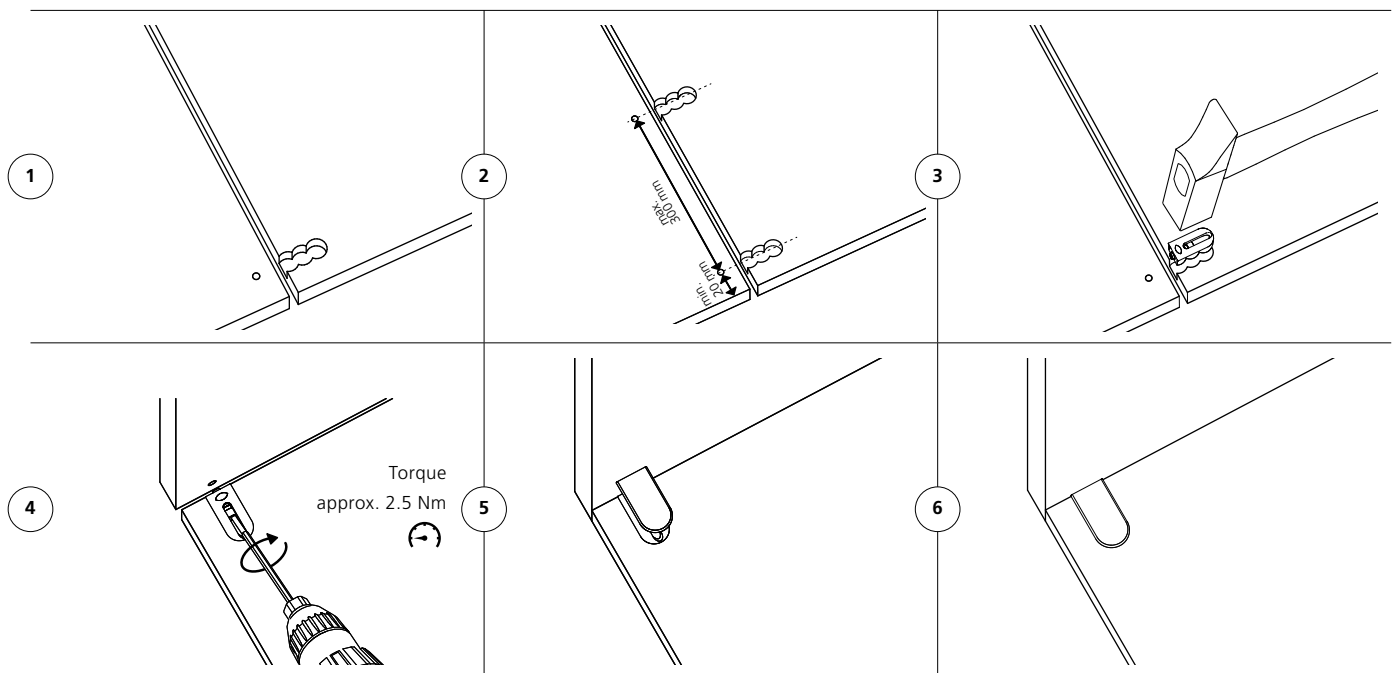
Experience the connector
live and receive comprehensive
product information!



* Original size

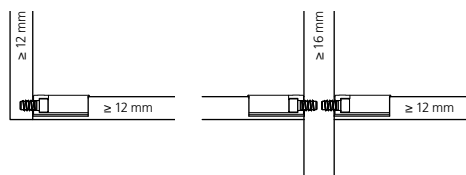


Function



Technical data

Joining methods

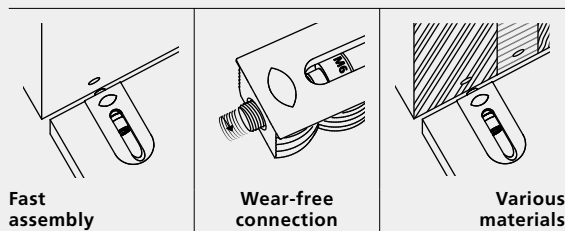


Size	33.8×16.5×10.8mm		
Screw length	8 mm		
Cutter	Ø 12 mm or smaller		
Drill	Ø 5 mm and Ø 15 mm		
Material housing	Fiberglass reinforced plastic		
Installation tolerace	Long. ± 0.1 mm		
Strength per connector without dowel (N)			
Particle board 19 mm Up to	Tensile strength (N)	Shear strength	Clamping force
	500 ¹	550 ¹	500 ¹
	10 N ~ 1 kg		
Material range	Particle board, MDF, plywood, softwood, hardwood etc.		

Cabineo 8 M6

Wear-resistant cabinet connector for various materials and increased strength

Features



Cabineo 8 M6 is a one-piece cabinet connector which can be used with all CNC machines because only surface machining is required. The connector is ideal when joining wood composites with materials such as aluminium, steel or compact laminate.

After installing the connector in the board, the pre-assembled metric screw is screwed into a threaded hole or a socket, using a cordless drill.

Cabineo impresses with its time-saving processing and assembly as well as the high clamping force which leads to stable connections without the need for additional dowels. Cabineo is available in white or black.

Articles



Cabineo 8 M6

Art. No.

500 pieces, metric thread M6

186315

2000 pieces, metric thread M6

186316



Cabineo 8 M6 black

Art. No.

500 pieces, metric thread M6

186345

2000 pieces, metric thread M6

186346

Cabineo 8 M6 Starter set

Art. No.

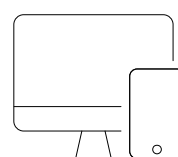
Cabineo 8 M6 (80 pieces), insert and cover

186306

caps (40 pieces each), Cabineo insertion tool (1 piece),

Cabineo hex bit 1/4" (1 piece)

www.lamello



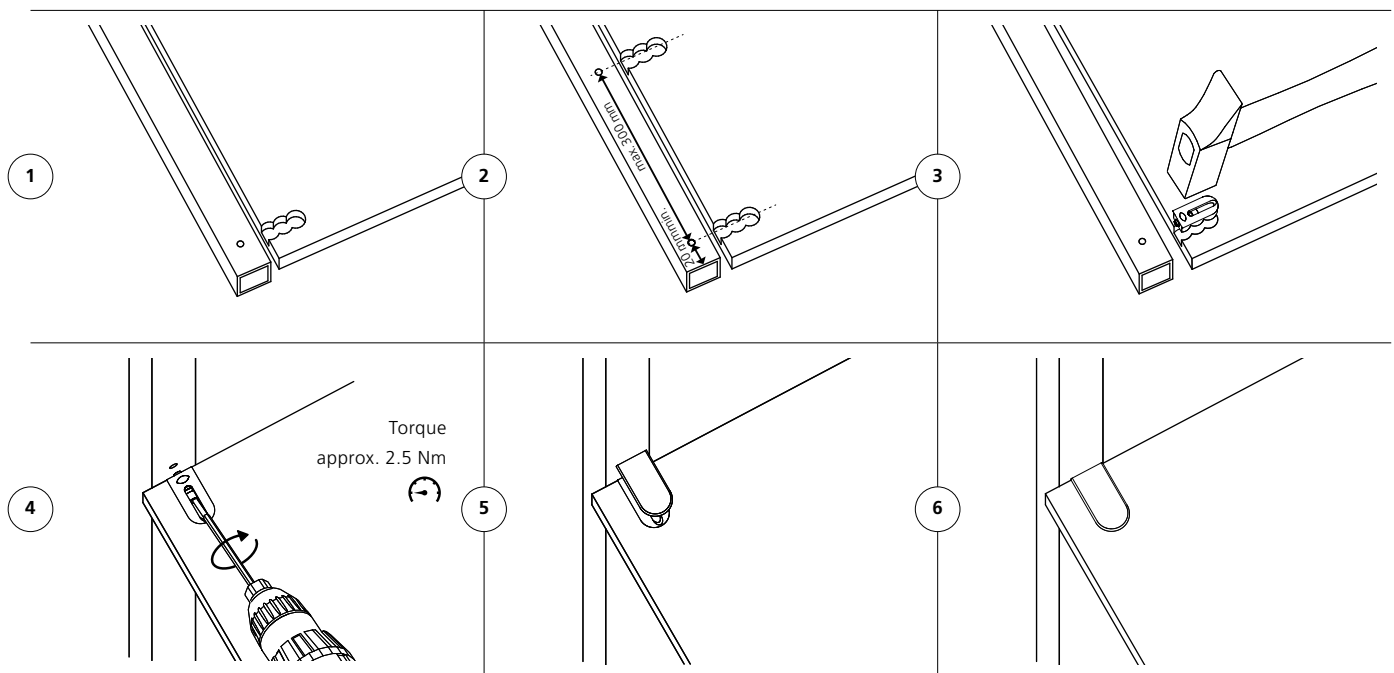
Experience the connector live and receive comprehensive product information!



* Original size

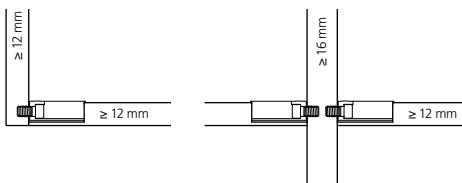


Function



Technical data

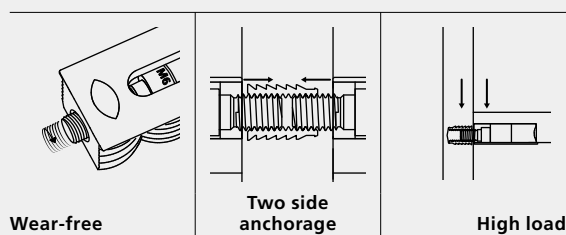
Joining methods	Size	33.8 × 16.5 × 10.8 mm		
	Screw length	8 mm		
	Cutter	Ø 12 mm or smaller		
	Drill	Ø 15 mm		
	Screw thread	M6		
	Material housing	Fiberglass reinforced plastic		
	Installation tolerance	Long. ± 0.1 mm		
	Strength per connector without dowel (N)			
	In HPL 12 mm Up to	Tensile strength (N)	Shear strength	Clamping force
		1700 ¹	1000 ¹	1700 ¹
		10 N ~ 1 kg		
Material range		Particle board, MDF, plywood, softwood, hardwood etc.		



Cabineo insert M6

For repeated assembly and
disassembly without loss of strength

Features



The Cabineo insert M6 is a threaded insert to drive in, which can be used in combination with the Cabineo 8 M6. It is ideal for applications where the thread cannot be cut directly into the workpiece or to increase the strength in corner and dividing panel joints. The Cabineo insert M6 is hammered into the through-hole of the middle panel so that the Cabineo can reach into the insert from both sides. The same connector and insert can be used everywhere for corner and dividing panels.



Articles

Cabineo insertion tool is
included in delivery for the inserts.

Cabineo insert M6 × 12.3

Art. No.

100 pieces

186370

500 pieces

186371



Cabineo insert M6 × 15.3

Art. No.

100 pieces, for dividing panels

186375

500 pieces, for dividing panels

186376



Cabineo insert insertion tool

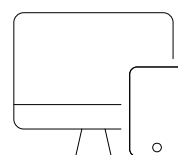
Art. No.

For insert M6

276310



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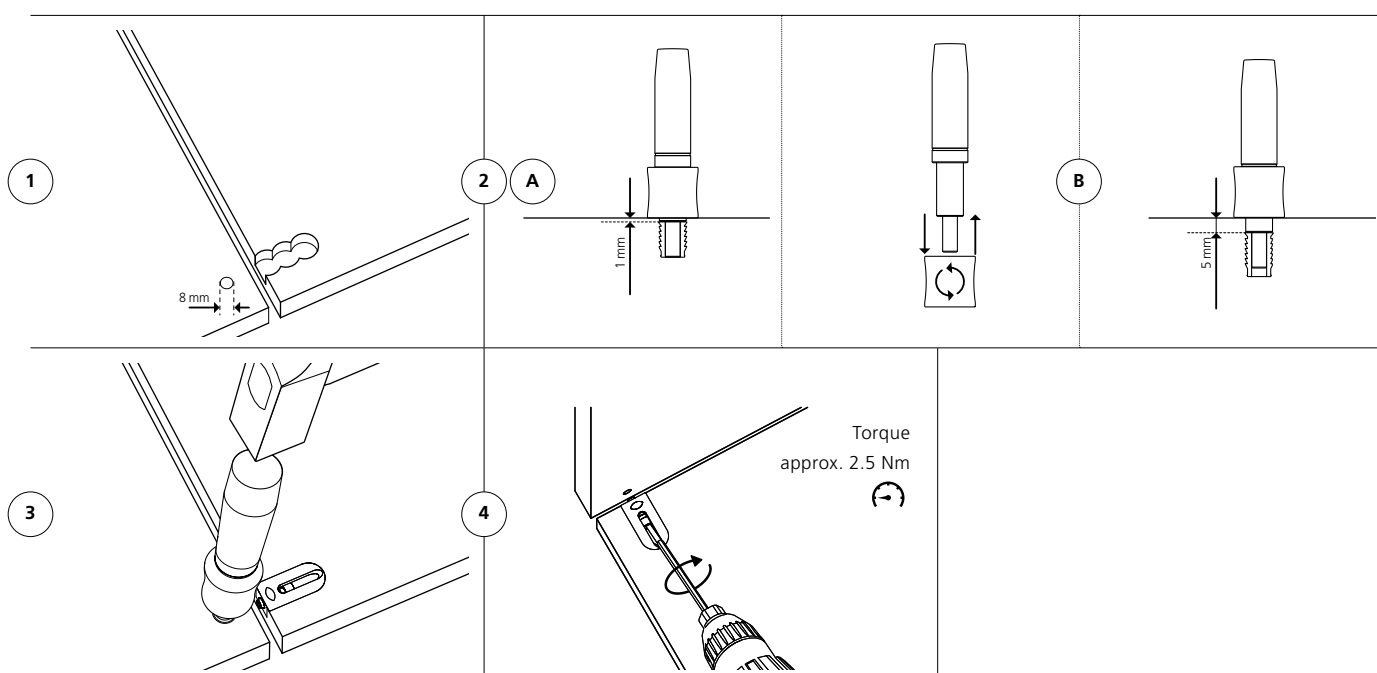
Experience the connector
live and receive comprehensive
product information!



* Original size

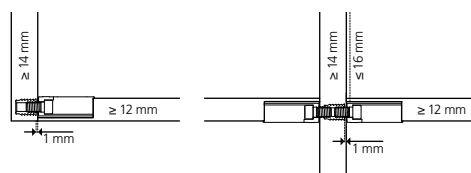


Function

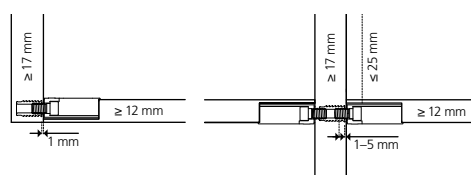


Technical data

Joining methods



Cabineo insert M6 x 12.3
for material thickness 14–16 mm



Cabineo insert M6 x 15.3
for material thickness 17–25 mm

Size	12.3/15.3 x 9.3 x 9.3 mm		
Thread	M6		
Drill hole	Ø 8 mm		
Material	Brass		
Installation tolerance	Long. ± 0.1 mm		
Strength per connector without dowel (N)			
Particle board 19 mm Up to	Tensile strength (N)	Shear strength	Clamping force
Insert M6 x 12.3	750 ¹	1050 ¹	750 ¹
Insert M6 x 15.3	900 ¹	1200 ¹	900 ¹
	10 N ~ 1 kg		
Material range	Particle board, MDF, plywood, softwood, hardwood etc.		

Advantages of Cabineo

Simple, fast and strong

1. Advantages in production

Time-saving in production



- Optimised process due to surface machining; no edge drilling necessary
- Only one tool change from 5 mm to 15 mm drill; no tool change for the dowel hole drill necessary
- No dowel holes means less drill holes per connector
- Shallow element of 10 mm allows for panels from 12 mm thickness

2. Advantages in transportation

Time-saving in transportation



- Efficient pre-installation of the one-piece connector in the factory
- Flat pack delivery with pre-installed connectors
- No extra bags or loose hardware required with furniture shipment
- Detachable for transport or if the fixed shelves need adjusting

3. Advantages in assembly

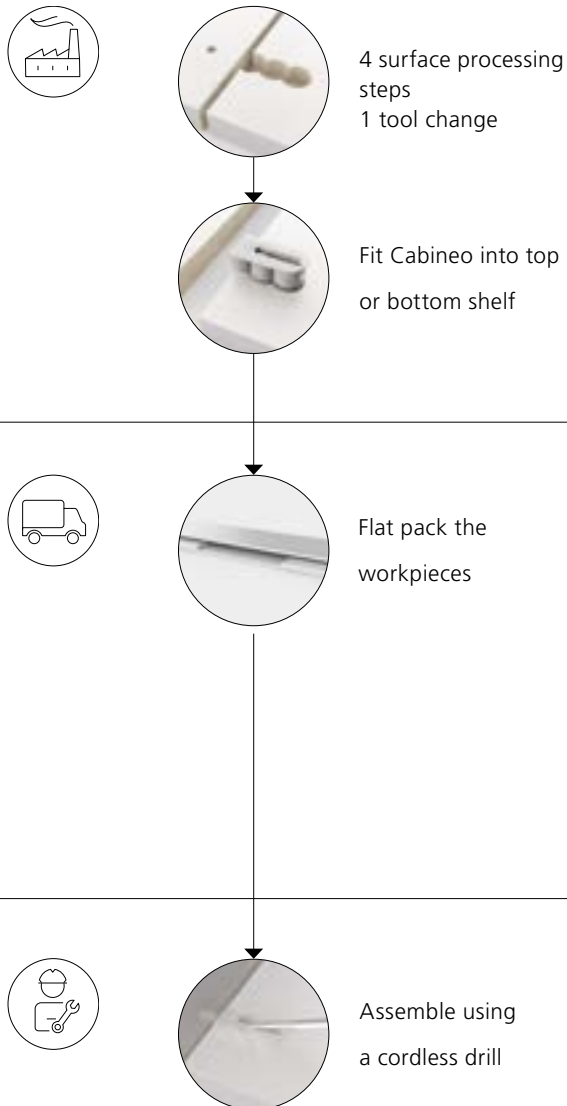
Time-saving in the assembly



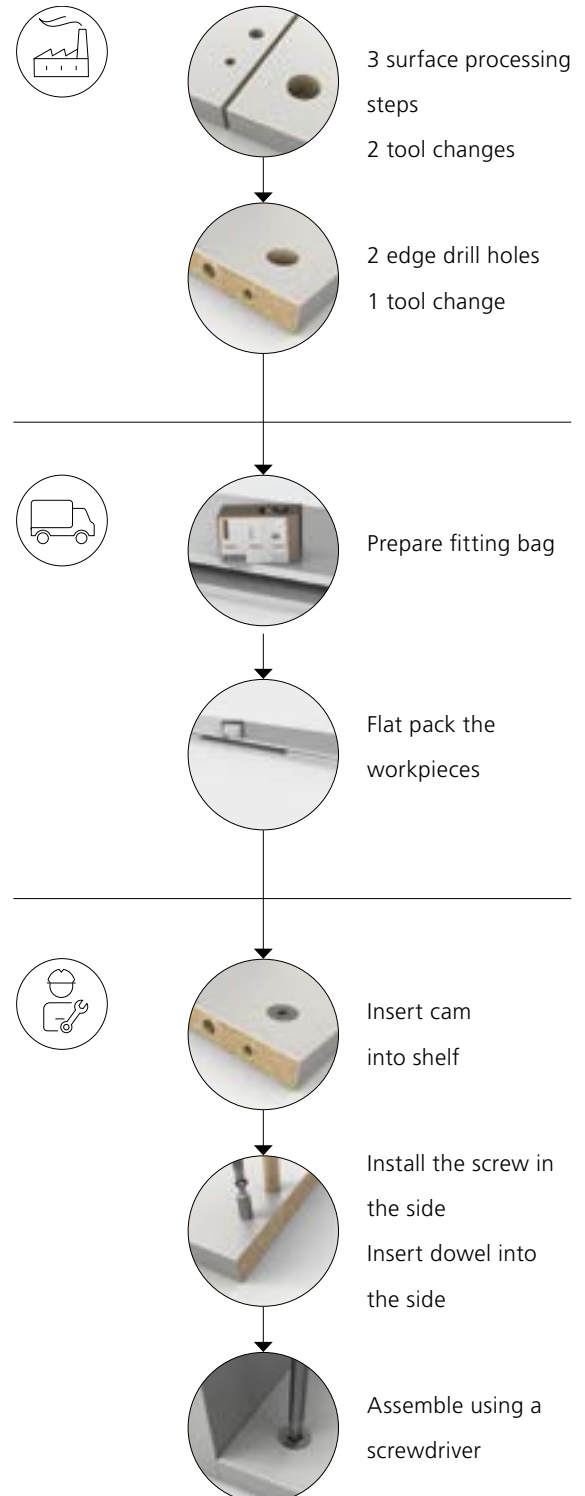
- One-piece connector without dowels; no pre-assembly of screws or dowels in the side panels necessary
- Easy positioning of the Cabineo in the corresponding hole due to the protruding screw
- Fast assembly with a cordless drill
- Installation of fixed shelves or vertical dividers in an already assembled unit

Cabineo compared with cam and dowel

Manufacturing process with Cabineo



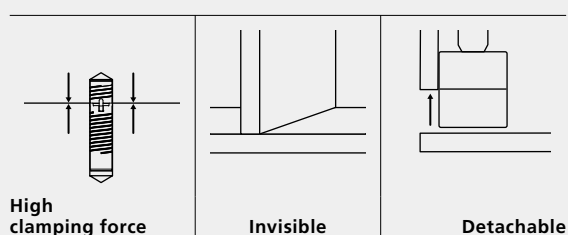
Manufacturing process with cam



Invis Mx2

Magnet-driven connecting fittings

Features



Invis Mx2 is a unique, magnet-driven connection for the highest demands on aesthetics, stability and productivity. With no visible openings, Invis Mx2 is connected and disconnected quickly again and again, using its magnetic drive.

Invis Mx2 connectors are screwed into the 12 mm drill holes in the panel. Using the MiniMag with a cordless drill, the connection closes and creates a clamping force of up to 250 kg per connector.

Ideal for high gloss painted furniture, molded workpieces, stairs, etc.

Articles



Invis Mx2 connector set

Art. No.

With 14 mm Invis Mx2 stud, 20 pairs

6012300



Art. No.

With 30 mm Invis Mx2 stud, 20 pairs

6012301



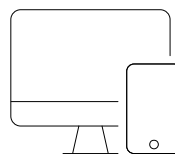
Invis Mx2 Starter set

Art. No.

Invis Mx2 MiniMag, Invis Mx2 connector sets, 20 pairs, with 14 mm Invis Mx2 stud, Rasto drill jig with 12 mm drill bit, depth adjuster, bushing, screw bit, flexible shaft, insertion jig

6100300

www.lamello

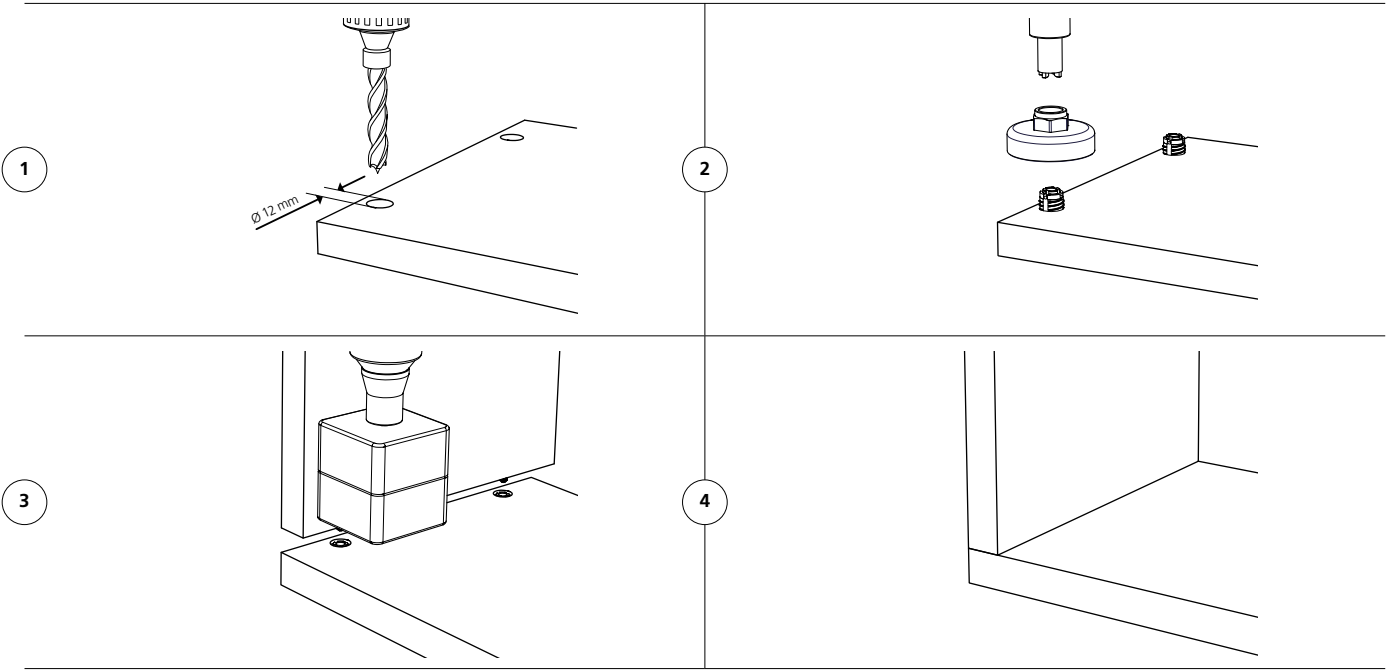


Experience the connector live and receive comprehensive product information!





Function



Technical data

Joining methods

Size connector	Ø 12 × 35 mm		
Size stud	Ø 12 mm × 30/14 mm		
Size centre-wall stud	Ø 12 mm × 30 mm		
Drill	Ø 12 mm		
Speed	Must be 1200–1500 rpm ⁻¹		
Material housing	Zinc		
Installation tolerace	Long. ± 0.1 mm		
Clamping force per connector	250 kg ¹		
Tensile strength (N) Up to	Connector sets with stud	14 mm	30 mm
	MDF	1500 N ¹	4000 N ¹
	Particle board	600 N ¹	1600 N ¹
	Beech	2000 N ¹	4000 N ¹
	Spruce	1000 N ¹	2000 N ¹
Material range	Particle board, MDF, plywood, softwood, hardwood etc.		

Articles



Invis Mx2 connector 35 mm

Art. No.

20 pieces

6012317



Invis Mx2 stud 14 mm

Art. No.

20 pieces

6012312



Invis Mx2 stud 30 mm

Art. No.

20 pieces

6012309



Invis Mx2 centre wall stud 10–30 mm

Art. No.

10 pieces

6012208



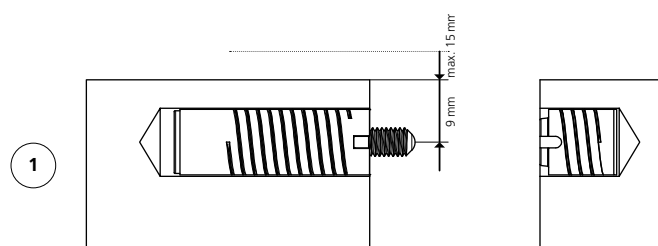
Invis Mx2 MiniMag

Art. No.

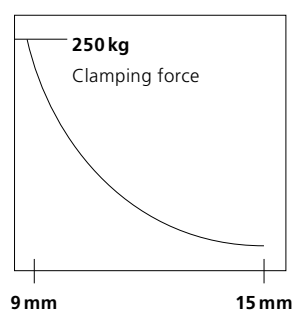
Incl. screw bit

6100301

Function



2



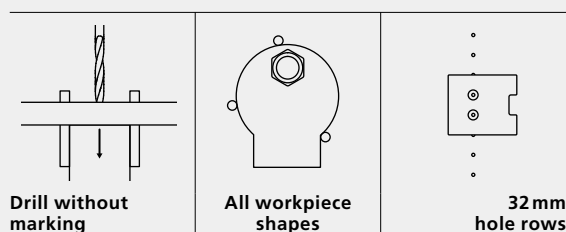
Small distance from the edge for high clamping force



Rasto drill jig

Universal drill jig without
measuring or marking

Features



Rasto is a universal drilling jig and is used for creating precise drilled holes for Invis Mx2. The drilling jig can be clamped onto almost any workpiece shape by means of three positioning pins without measuring or marking. After the first workpiece has been drilled, the position is transferred unchanged to the second workpiece. Working in this way means the holes will always line up with each other.

Rasto is also suitable for 8 mm dowel holes or 5 mm holes for handles or for row hole drilling.

Articles



Rasto Duo set

Art.Nr.

In a systainer: 2 transparent perforated plates,

126002

8 drill bushings, 2 x Ø 5, 8, 10, 12 mm,

3 wood drill bits Ø 5, 8, 12 mm, 6 positioning bolts,

2 fastening screws, 1 connection rod,

1 Invis Mx2 spacer, 1 Invis Mx2 insertion bush

Rasto Basic set

Art.Nr.

In a cardboard box: 1 transparent perforated plate,

126005

4 drill bushings Ø 5, 8, 10, 12 mm,

3 positioning bolts, 1 fastening screw

Rasto Mono set

In a systainer: 1 transparent perforated plate,

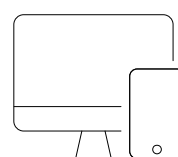
126001

4 drill bushings Ø 5, 8, 10, 12 mm, 3 wood drill bits

Ø 5, 8, 12 mm, 3 positioning bolts, 1 fastening screw,

1 Invis Mx2 spacer, 1 Invis Mx2 insertion bush

www.lamello

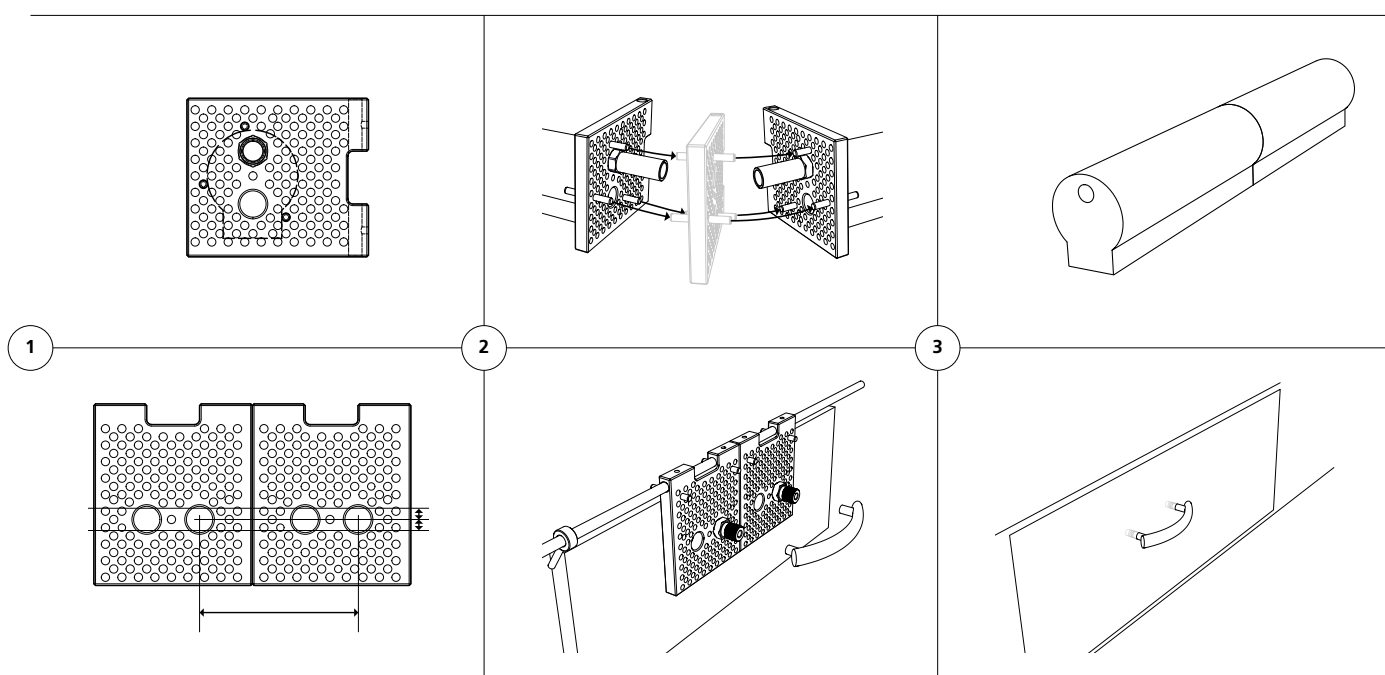


Experience Rasto live
and receive comprehensive
product information!



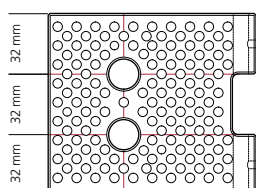


Function



Technical data

Rasto perforated plate



Size Rasto plate

110 × 96 × 12 mm

Material Rasto plate

Polycarbonate (abbreviation: PC)

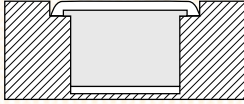
Technical information

Machining Cabineo

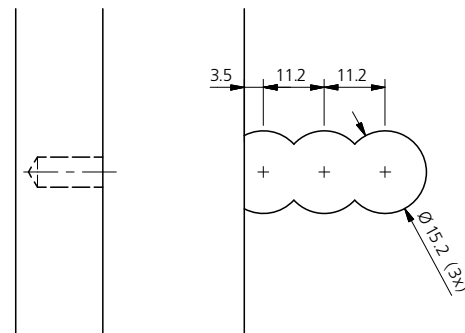
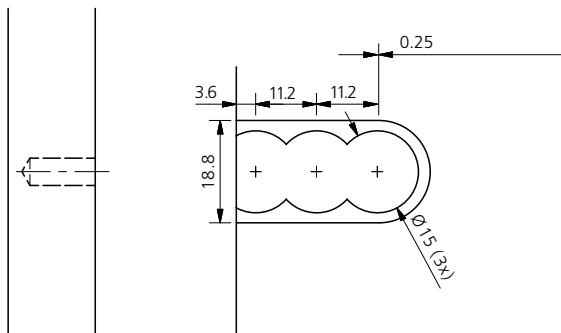
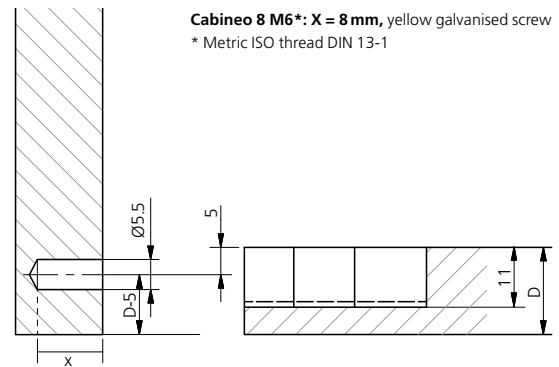
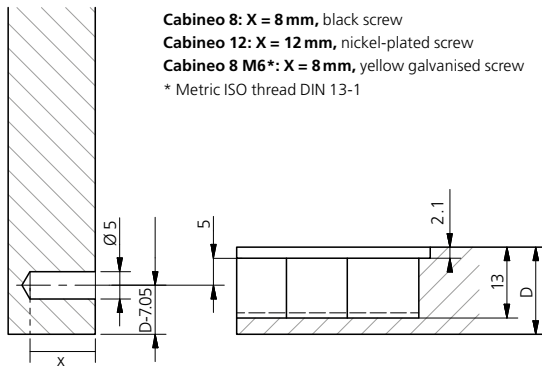
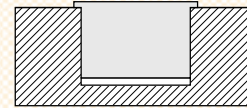
All details in mm

Installation options	On the surface		Flush with the surface	
Machining options	<p>Cabineo 8: X = 8 mm, black screw Cabineo 12: X = 12 mm, nickel-plated screw Cabineo 8 M6*: X = 8 mm, yellow galvanised screw * Metric ISO thread DIN 13-1</p>		<p>Cabineo 8: X = 8 mm, black screw Cabineo 12: X = 12 mm, nickel-plated screw Cabineo 8 M6*: X = 8 mm, yellow galvanised screw * Metric ISO thread DIN 13-1</p>	

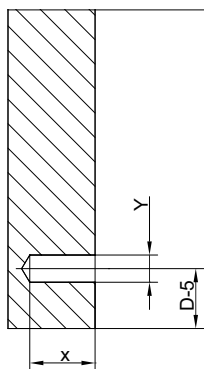
Flush cover cap



HPL on the surface



Machining Cabineo Insert

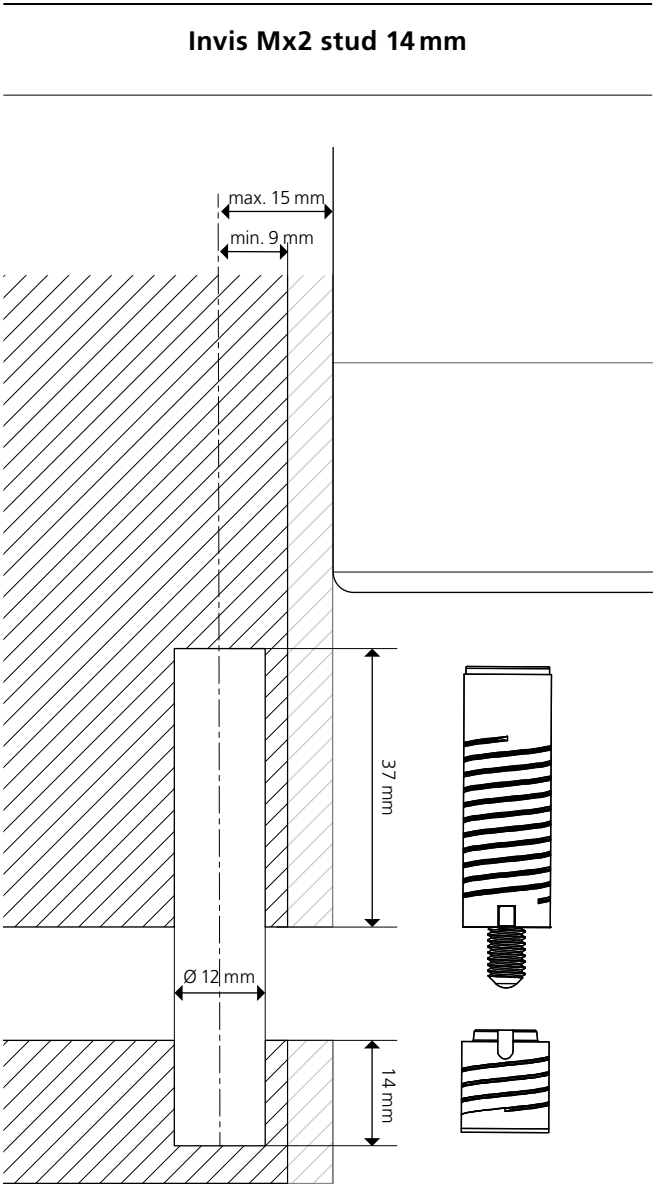
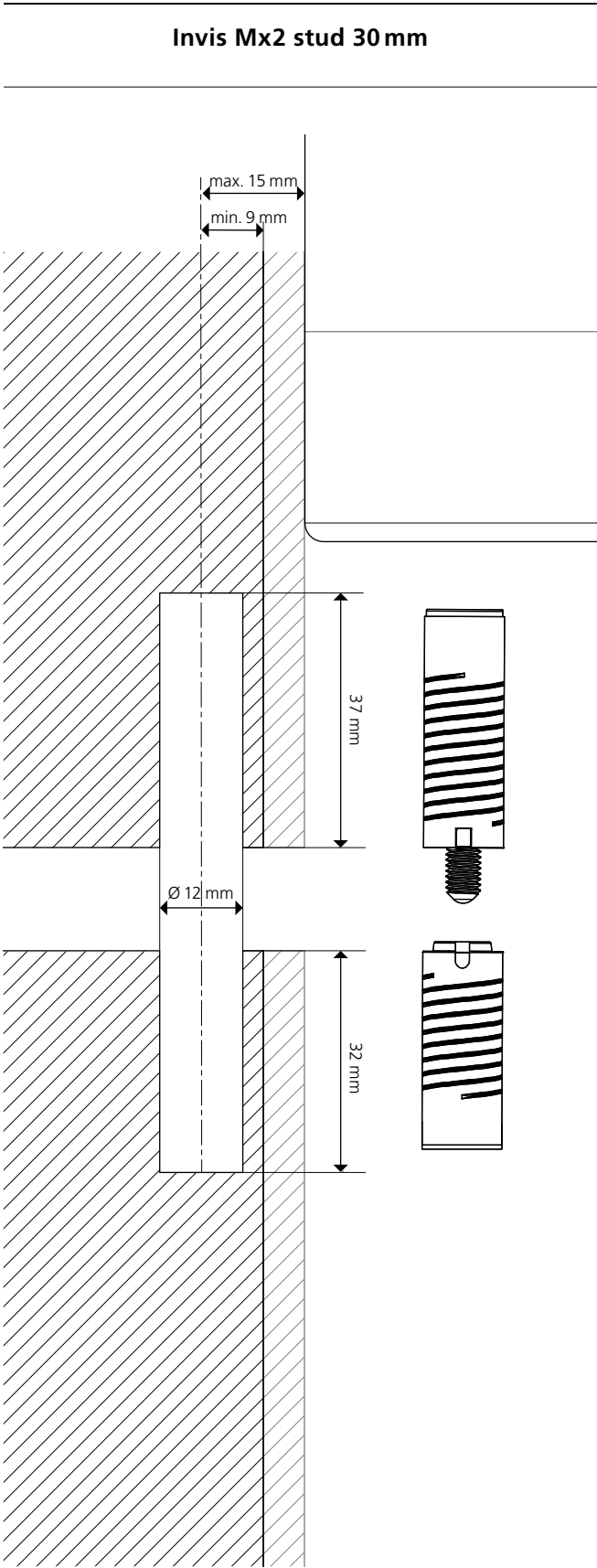


	X	Y = Ø
	[mm]	[mm]
Cabineo 8 M6*	8	5
Insert M6 × 12.3	13.5	8
Insert M6 × 15.3	16.5	8

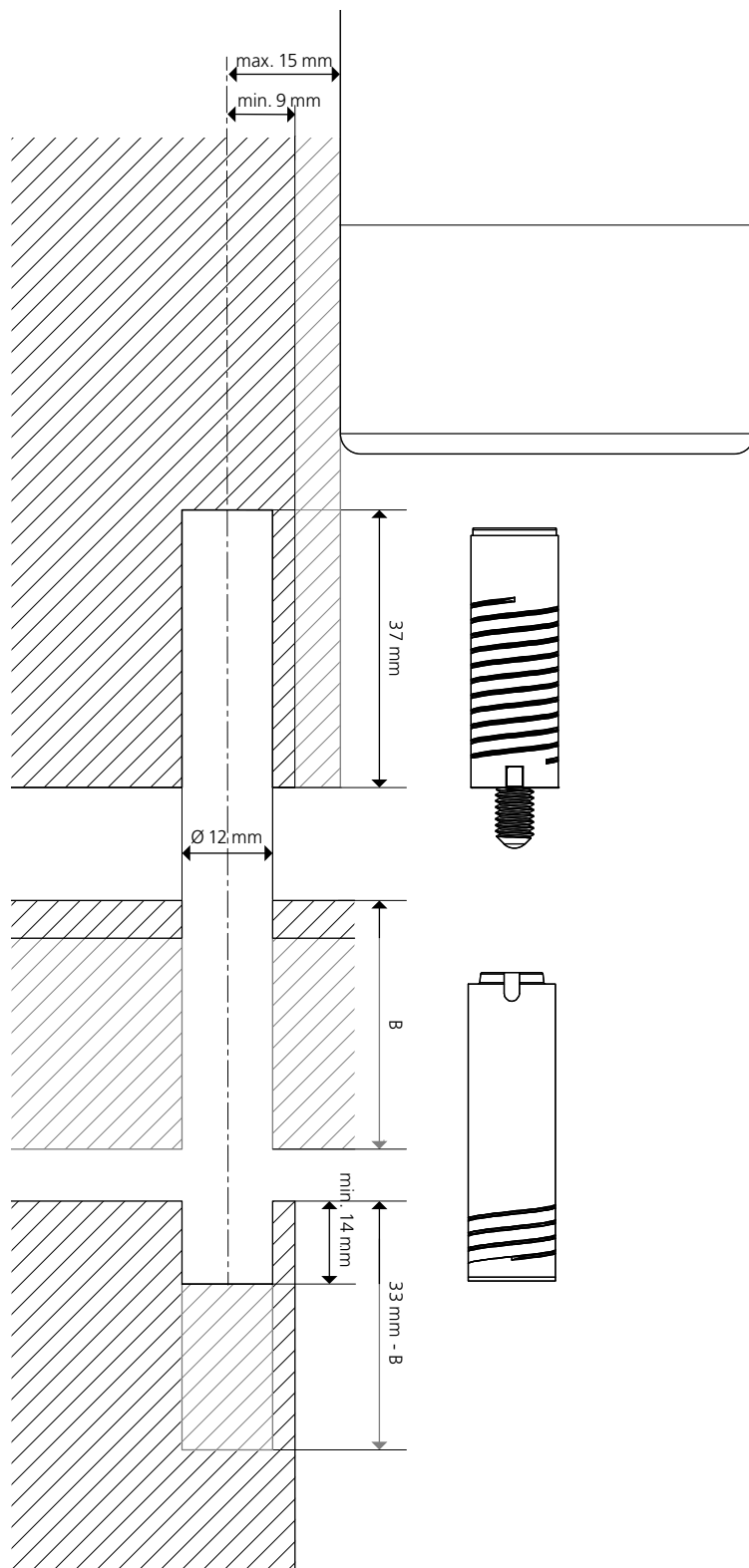
* Metric ISO thread DIN 13-1

Technical information

Machining Invis Mx2



Invis Mx2 centre wall stud 14–30 mm



Accessories / Spare Parts

Drilling System



Cabineo



Cabineo installation tool

Art. No.

With handle, incl. hex bit 1/4"

256300



Art. No.

Cabineo hex bit 1/4"

276312



Art. No.

Cabineo hex bit 1/4" GL 80 mm

276308

Cabineo hex bit 1/4" GL 80 mm, 100 pieces

276309



Cabineo drill/cutter

Art. No.

Cabineo drill Ø 15 mm with short centering point

136312



Art. No.

Cabineo cutter Ø 10 mm

136310



Art. No.

Cabineo cutter Ø 12 mm

136311



Art. No.

Cabineo drills for aggregate Ø 15 mm

136314

RH carbide tipped (right hand rotation)



Art. No.

Cabineo drills for aggregate Ø 15 mm

136315

LH carbide tipped (left hand rotation)



Cabineo cover caps	Art. No.		Art. No.
	100 pieces		2000 pieces
RAL 9003 signal white	186350S	○	186351S
RAL 9010 pure white	186350W	○	186351W
RAL 9018 papyrus white	186350P	●	186351P
RAL 1015 light ivory	186350H	●	186351H
RAL 1011 brown beige	186350B	●	186351B
RAL 8007 fawn brown	186350R	●	186351R
RAL 7040 window grey	186350F	●	186351F
RAL 7005 mouse grey	186350A	●	186351A
RAL 9005 jet black	186350T	●	186351T
Metal look, silver	186350C	●	186351C
Metal look, nickel	186350N	●	186351N
Metal look, dark steel	186350D	●	186351D



Cabineo insert insertion tool	Art. No.
For insert M6	276310

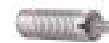
Invis Mx2



Invis Mx2 connector set	Art. No.
With 14 mm Invis Mx2 stud, 20 pairs	6012300



	Art. No.
With 30 mm Invis Mx2 stud, 20 pairs	6012301



Invis Mx2 connector 35 mm	Art. No.
20 pieces	6012317



Invis Mx2 stud 14 mm	Art. No.
20 pieces	6012312



Invis Mx2 stud 30 mm	Art. No.
20 pieces	6012309



Invis Mx2 centre wall stud 10–30 mm	Art. No.
10 pieces	6012208

Accessories / Spare Parts

Drilling System



Invis Mx2



Invis Mx2 screw bit

Art. No.

1 piece

6112205



Invis Mx2 MiniMag

Art. No.

Incl. screw bit

6100301



Invis Mx2 flexible shaft

Art. No.

1 piece

6100204



Invis Mx2 insertion jig

Art. No.

For studs 14 mm

6112333



Invis Mx2 insertion bush for Rasto

Art. No.

For studs 14 mm

6112330

Rasto



Rasto wood drill bit with centering tip	Art. No.
Ø 5 mm	6100160
Ø 6 mm	6106161
Ø 8 mm	6108060
Ø 10 mm	6110162
Ø 12 mm	6112060



Rasto drill bush	Art. No.
Ø 5 mm	6100065
Ø 6 mm	6100056
Ø 8 mm	6100057
Ø 10 mm	6100067
Ø 12 mm	6100058



Rasto depth adjuster	Art. No.
Ø 5 mm	6100059
Ø 6 mm	6100063
Ø 8 mm	6100060
Ø 10 mm	6100064
Ø 12 mm	6100061



Rasto fixing screw	Art. No.
4.5 x 35 mm, TX 25	6560450



Rasto positioning bolts	Art. No.
Ø 5 x 40 mm	6160001



Invis Mx2 spacer	Art. No.
For Rasto	6112331



Rasto connection rod 500 mm	Art. No.
Two-part	6160601



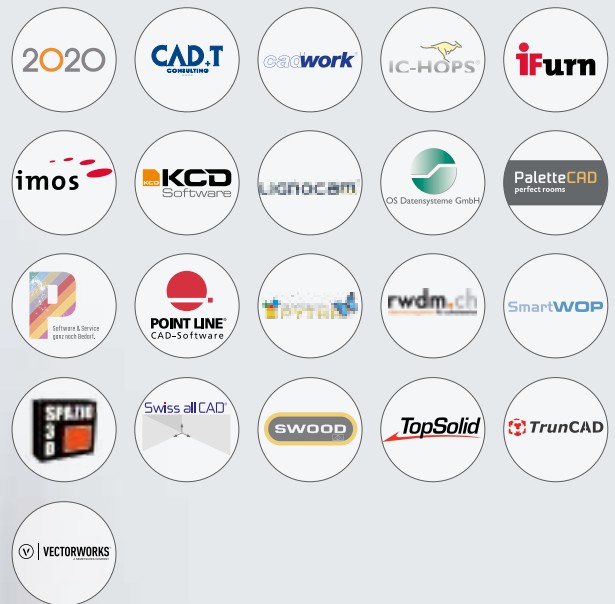
Rasto perforated plate	Art. No.
1 piece	6160000

Networked production

From planning and design to procurement, programming and machining with CNC.

Our planning and processing partners support you with integrating Lamello connecting elements into your production process, from A to Z.

CAD/ERP/CAM software



CNC machines/Aggregates/CNC tools

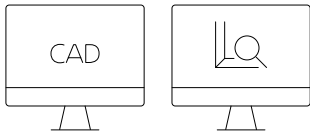




« If a product is automated – or can be controlled digitally – it will be used. »

Jochen Meier, Owner and Managing Director, Jochen Meier Schreinerei GmbH, Nürnberg, Germany

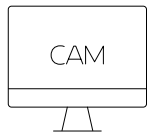
Components for the successful integration of Lamello connection systems into your networked production



CAD/ERP/Configurator software

- Design and planning software with integrated Lamello connectors
- Also download CAD data:
 - from the Lamello website
 - from iFurn
 - from specialist retailers (ComNorm)

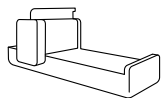
The degree of integration of the data and the parameterised position rules influence planning efficiency.



CAM software

- Software for generating CNC programming data
- Post-processor

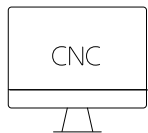
Data transfer between CAD and CNC, and in particular the control of the macros/component, must be individually coordinated.



CNC machine

- Machine with 3/4/5-axis

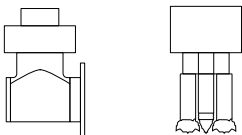
The number of axes and equipment options influence the processing possibilities



CNC software

- Purchase software for machine/macro/component from the manufacturer or
- Program the machining process yourself

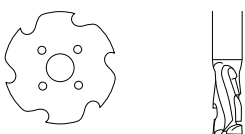
The macro/component determines/affects the processing possibilities



Suitable aggregate

- Aggregate sub-program
- The angle aggregate makes it easier to cut the P-System groove in the surface and the centre of the surface
- The Cabineo unit enables triple drilling in one stroke

The right unit can significantly increase efficiency when milling/drilling connectors.



- Purchase tools from Lamello or a P-System tool partner
You can find the tools recommended by Lamello on **PAGES 162–164**.

The right cutting tool can significantly increase precision and efficiency when milling the connectors.

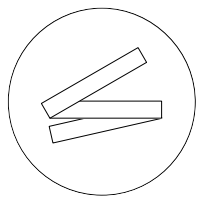
Networked production

Overview of the production process

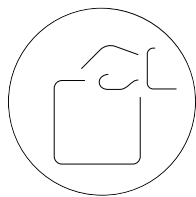
Enabled by Lamello planning and machining partners



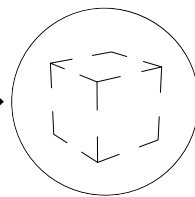
Sequence				
1 Measurements	2 The proposal phase	3 Planning with CAD/configurator/ERP	4 The bill of material	



The room or the object to be machined can be quickly and efficiently measured on site using a room scanner and imported directly into CAD. Even in difficult room situations, without scaffolding, ladders or additional assistants.



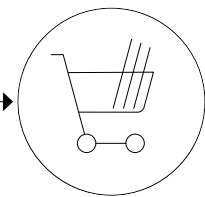
The customer data is recorded, and the calculation and quote are prepared in the industry software, CRM or ERP. If necessary, photo-realistic drawing can also be created for the customer in order to create a life-like impression of the end product.



Here, the furniture is drawn with all individual parts, connectors and fittings or generated automatically using the configurator. In this phase, the planner can now select the desired Lamello connectors, which are placed manually or automatically in the workpieces according to parametric rules.

Planning aids on the Lamello website:

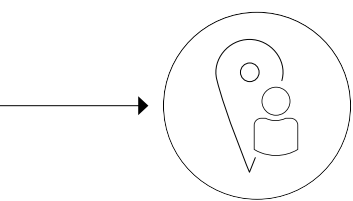
- The **«Connector Search»** web tool helps you select the right connectors
- The **«P-System Configurator»** defines the optimal connector positioning at any angle
- The **«CAD Data»** can also be downloaded from the product pages



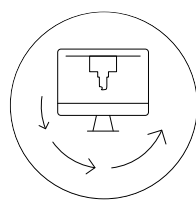
The parts list can now be generated from the finished CAD file or the data can be imported into the ERP software, where the parts and fitting list can be issued automatically. The material order can now be triggered manually or automatically.



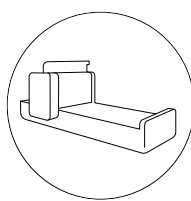
5	6	7	8	9
Procurement	CAM interface CAD/CAM system CNC programming data	CNC machining	Final processing	Dispatch/assembly
Lamello sales partners				



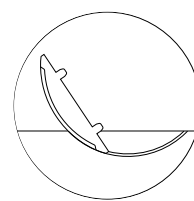
With an online connection to specialist retailers, both digital data exchange and procurement can be automated. For example, this allows the current prices to be queried, availability checked and picking implemented.



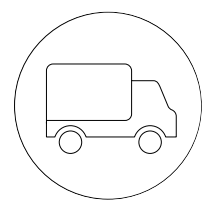
One of the most important **«interfaces»** is the transfer of planning data to production. Here, a seamless connection should be established between design, programming, simulation and subsequent production on the CNC machines. The 3D design data can also be used to enter the production information, such as the control of macros, the tool type, approach or milling mode. The CAD data is translated, for example, via a post-processor into an electronic procedure for controlling CNC machines.



The workpieces are now formatted and machined on the machining centre. With the necessary macros for the appropriate units and cutting tools, the desired machining procedures for the connectors are now milled into the workpieces.



After CNC machining, or if the workpieces are ready for further processing, the edges are glued or the surface is painted and the connectors are then installed.











The items of furniture are now ready to be transported to the customer. Ideally, the furniture should be sent as a flat pack, which is no problem at all with the Lamello connectors.

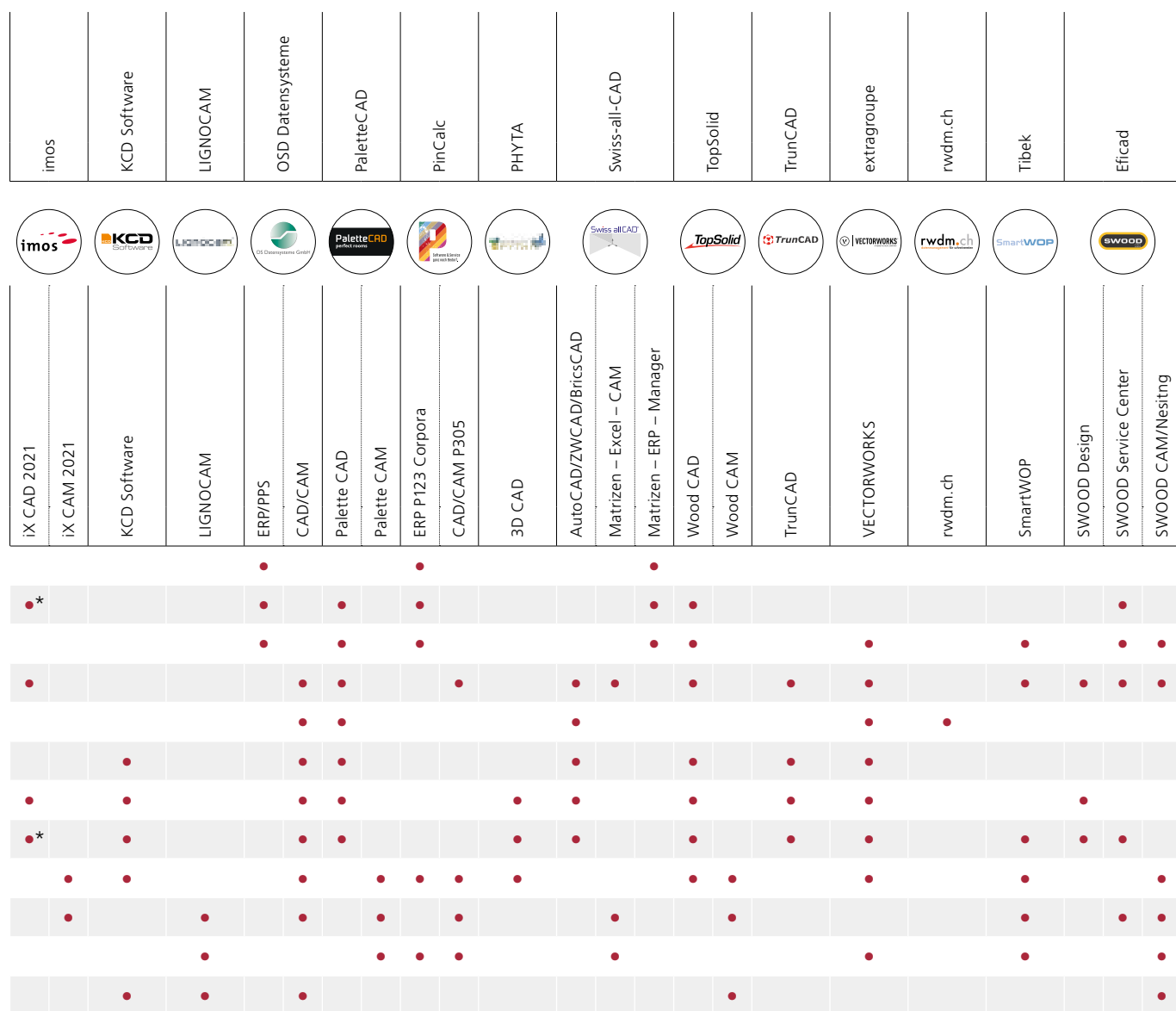
Service overview

Lamello's planning and machining partners



Planning partners CAD/ERP/Configurator/CAM software

Company			2020		BRAINSOFTWARE		BormInformatik		CAD+T		cadwork		direkt CNC-system		HEXAGON		iFurn	
Product name																		
	2020 CAD	2020 CAD	SPAZIO3D PROF. + -ENTERP. PLUS		SPAZIO3D JOINERY + INDUSTRY 4.0		Pointline CAD	BormBusiness/EVO	Design/Engineer	ERP/Konfigurator	CNC	Configurator	NC Hops	Alphacam	Cabinet Vision			
Offer / Material management / Ordering	ERP software																	
	Interface with procurement																	
	Interface with CAD																	
Visualisation / Planning / Construction / Parts list	Interface with ERP																	
	Data cloud for CAD data																	
	CAD 2D software																	
	CAD 3D software																	
	Configurator																	
CNC programming data	Interface with CNC																	
	CAD/CAM software																	
	WOP programming software																	
	ISO programming software																	



Service overview

Lamello's planning and machining partners

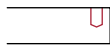
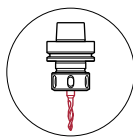
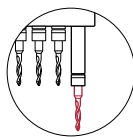
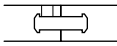
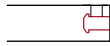
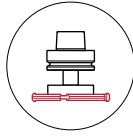
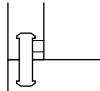
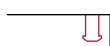
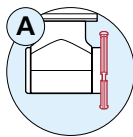
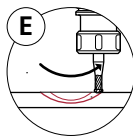
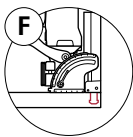
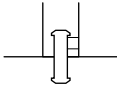

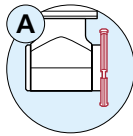
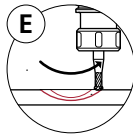
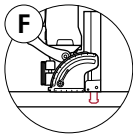
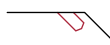

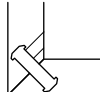

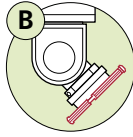





Machining partner CNC machines/Aggregates/CNC tools

Company	Biesse	Felder	GANNOMAT	HOLZ-HER	Holzfraese	Homag
Product name	CNC machines bSolid NC Hops bCabinet	CNC machines F4Integrate Wood Flash	CNC machines GANNOMAT Editor	CNC machines NC Hops CabinetControl NEO 3D-Master	CNC machines SmartWOP	CNC machines WoodWOP cabinetCreator
Offer / Material management / Ordering	ERP software					
	Interface with procurement					
	Interface with CAD					
Visualisation / Planning / Construction / Parts list	Interface with ERP					
	Data cloud for CAD data					
	CAD 2D software					
	CAD 3D software					
	Configurator					
CNC programming data	Interface with CNC					
	CAD/CAM software					
	WOP programming software					
	ISO programming software					
CNC machining	CNC with consoles					
	CNC vertical/horizontal (compact)					
	CNC nesting					
	Aggregates					
	CNC tools					

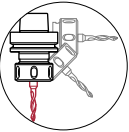
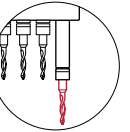
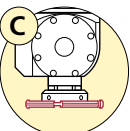
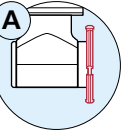
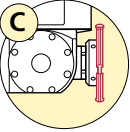
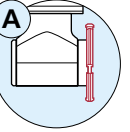
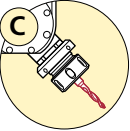
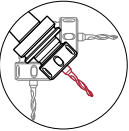
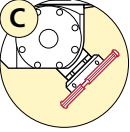
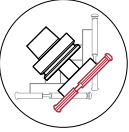
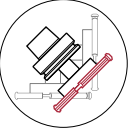
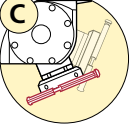
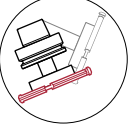
P-System with CNC

Joining methods and requirements for
CNC machines/machining options

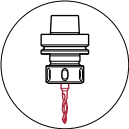

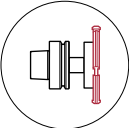


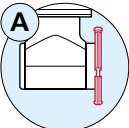
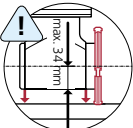


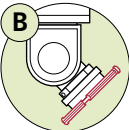


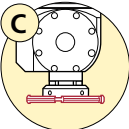
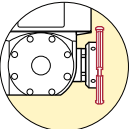

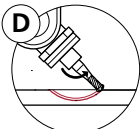

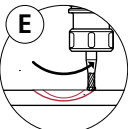

CNC machines		With pod and rails/ vertical or horizontal			
Number of axes		3			
			Machining option	Machining option	
Joining methods	Machining				
Access drill hole					
	Profile groove in the edge				
	Profile groove on the surface (close to the edge)				
	Profile groove on the surface (centre of the surface)*				
Access drill hole 45°					
	Access drill hole 45°				
Access drill hole 22 – 108°					
	Access drill hole 22 – 108°				





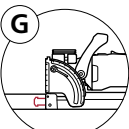

				With nesting technology			
	4	5		3		5	
			Machining option		Machining option		


















Additional explanations for the requirements of the CNC machines/machining options

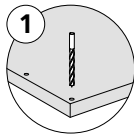
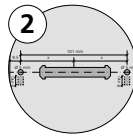
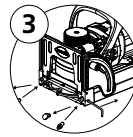
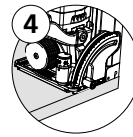
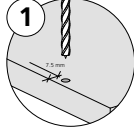
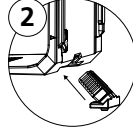
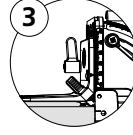
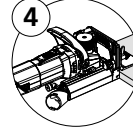
Detailed information on machining		Detailed information on machining	
			
			
			
			
			
			
			

Positioning drill holes for the Zeta P2

	 <p>Positioning pin CNC for Zeta P2*, 2 pieces</p> <table border="1"> <tr> <td>Ø 5 mm</td> <td>Art. No. 251048</td> </tr> <tr> <td>Ø 8 mm</td> <td>251066</td> </tr> </table>	Ø 5 mm	Art. No. 251048	Ø 8 mm	251066
Ø 5 mm	Art. No. 251048				
Ø 8 mm	251066				
	 <p>Positioning clip CNC for Zeta P2*</p> <table border="1"> <tr> <td>Ø 6 mm</td> <td>Art. No. 251067</td> </tr> </table> <p>for positioning in the Clamex P access hole (6mm)</p>	Ø 6 mm	Art. No. 251067		
Ø 6 mm	Art. No. 251067				

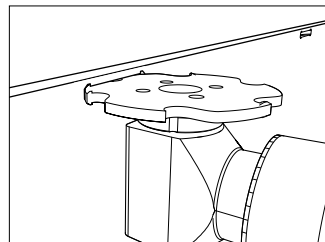
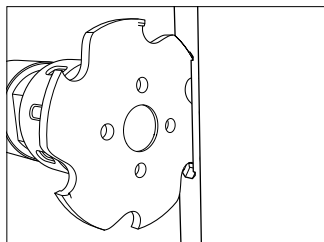


Possible setup of aggregates and tools			Comments	
		Integrated CNC Z-axis with drill (5/6 mm) or with collet chuck for clamping Ø 10 mm and drill 131556	P-System CNC drill bit on PAGE 162	
		Saw blade clamp Ø 40/DTK 52 mm and cutter 132143 or with collet chuck and cutter arbor	You can find dimensions for cutters and clamping Ø and lengths of cutter arbors on PAGE 162/163	
			Angle aggregate – One to four spindle angle aggregates – Floating trimming unit for P-System – Corner notching aggregate – Aggregate for door locks	A unit overview can be found on the Lamello website: www.lamello.com under planning and machining partners
			Manually adjustable swivelling aggregates Information: Several tool changes required for angle cuts, drilling and P-System grooves	Note: The cutting depth in the centre of the surface may be restricted depending on the model. Tip: For a mitre, the drill hole could be made with the manual drill
			Automatically adjustable swivelling aggregates with automatic tool changer (FLEX5+C/5-MOTION PLUS/Flex5+C, from year of manufacture 2015) – Tool holder WFC 40-25 clamping Ø 10 mm for drill – Drill shaft Ø 10 mm, tool protrusion max. 50 mm – Tool holder WFC 40-25 with flange and cutter 132143	Note: In the centre of the surface, the profile groove depth is limited to 10 mm
			Shrink chuck for clamping Ø 12 x 40 mm and shaft tool 131342 or collet chuck for clamping Ø 12 x 40 mm and shaft tool 131342	P-System CNC shaft tool cutter on PAGE 163 .
				

Machining steps				
				
				

P-System equipment options

For CNC machines for particularly efficient machining



Vertical and horizontal CNC machining centres
«CNC compact class»



HOMAG

DRILLTEQ V-500
25-spindle +
1x aggregate (VKNR 1549)
1x tool set (VKNR 9763)

1 · 2 · 3



HOLZHER

**EVOLUTION 7405
Connect**

1 · 2 · 3



BIESSE

Brema Eko 2.1
1x aggregate
2x P-System CNC
groove cutters
1x P-System CNC cutter arbor
1x drill Ø 6 mm

1 · 2 · 3



BIESSE

Brema Eko 2.2
1x aggregate for 90°
1x aggregate 45° for 2x 45°
2x P-System CNC
groove cutters
1x P-System CNC cutter arbor
1x drill Ø 6 mm

1 · 2 · 3 · 4



masterwood

Project TF 100/TF 100 2.0
1x aggregate
2x P-System CNC
groove cutters
1x P-System CNC cutter arbor
1x drill Ø 6 mm

1 · 2 · 3



morbidelli

cx 210
1x aggregate
2x P-System CNC
groove cutters
1x P-System CNC cutter arbor
1x drill Ø 6 mm

1 · 2 · 3



HOLZHER

Nextec 7707
1x tool set

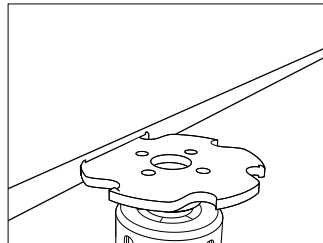
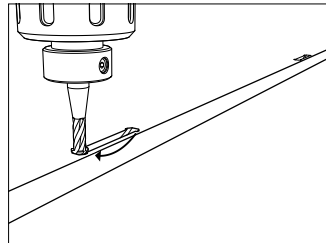
1 · 2 · 3



Vitap

Vitap K2 2.0
1x aggregate
2x P-System CNC
groove cutters
1x P-System CNC cutter arbor
1x drill Ø 6 mm

1 · 2 · 3



FORMAT

Creator 950

1× P-System CNC
groove cutter in HSK63F
1× P-System CNC shaft tool
cutter* in HSK63F
1× drill Ø 6 mm

*optional for P-System CNC
shaft tool cutter:
1× aggregate for 90°
1× P-System CNC groove cutter

① · ② · ③



GANNOMat

**ProTec + P-System
add-on package**

Editor with
Lamello P-System macro
1× P-System CNC
groove cutter in HSK63F
1× P-System CNC cutter arbor
1× P-System CNC shaft tool
cutter
1× drill Ø 6 mm

① · ② · ③



HOMAG

DRILLTEQ V-200

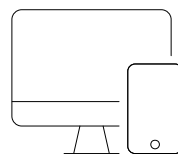
woodWOP «Lamello P-System»
component
1× P-System tool set

① · ② · ③

Connectivity

Surface 180°	Corner 90°	Centre wall 90°	Mitre 2×45°

www.lamello

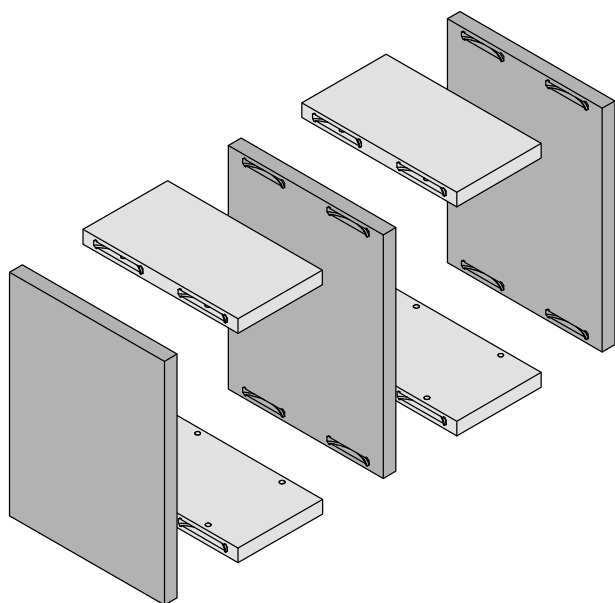


Experience CNC live and
receive comprehensive
product information!



Ideas for standardising

The machining on a CNC machine

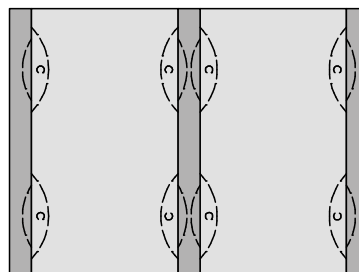


Depth 14 mm for all P-System grooves
in the **panel edge** (with the access hole)

Depth 10 mm for all P-System grooves
in the **surface**

Clamex P-14 CNC with lever, Clamex P-14 with lever and Clamex P-14/10 Flexus with lever are compatible with all Clamex P elements without lever.

This allows for a standardised construction method.



Art. No.

Clamex P-14 CNC

2000 pieces sorted element with lever **145388**

Clamex P-14

2000 pieces element with lever **145338**

Clamex P-14/10 Flexus

2000 pieces element with lever **145318**


Clamex P-10

2000 pieces element without lever **145358**

Clamex P-10 Medius

2000 pieces element without lever **145369**



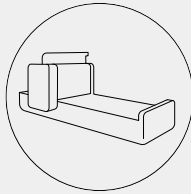
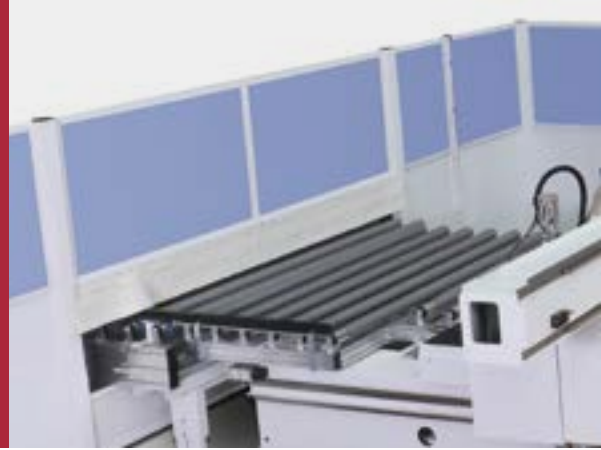


*« Lamello is an asset to us
because it allows us to
expand our possibilities. »*

Andreas Kuhlmann, Managing Director,
Adolf Kuhlmann GmbH & Co. KG furnishing workshops,
Schwerin, Germany

Cabineo with CNC

Specific equipment options for CNC machines for Cabineo



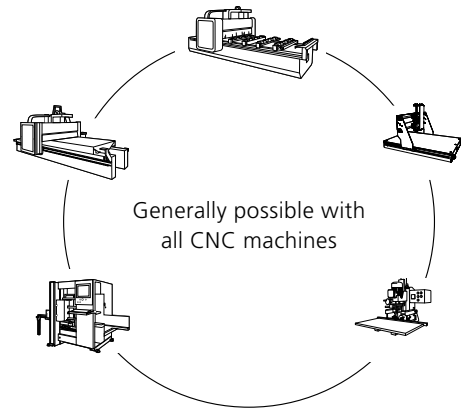
CNC machine

Homag CENTATEQ N-600

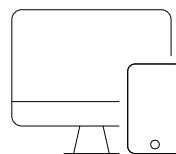
Homag has developed the unmanned installation of the Cabineo connector on its nesting CNC machine CENTATEQ N-600. First, the multi spindle aggregate from Benz creates the drill shape, consisting of 3 drill holes, in one plunge. Once the panels are cut to size, the machine will commence with the fully automated insertion of the Cabineo into the board.

Gannomat Basica Variabel 0194

First, the 3 spindle aggregate drills the 15 mm drill holes in one plunge. Following this, the Cabineo is held by an insertion aggregate and is pressed into the board. The 5 mm holes for the Cabineo screw are drilled either with the boss hinge aggregate or the 11 spindle shelf pin aggregate.

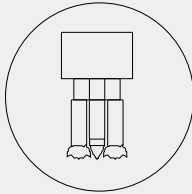
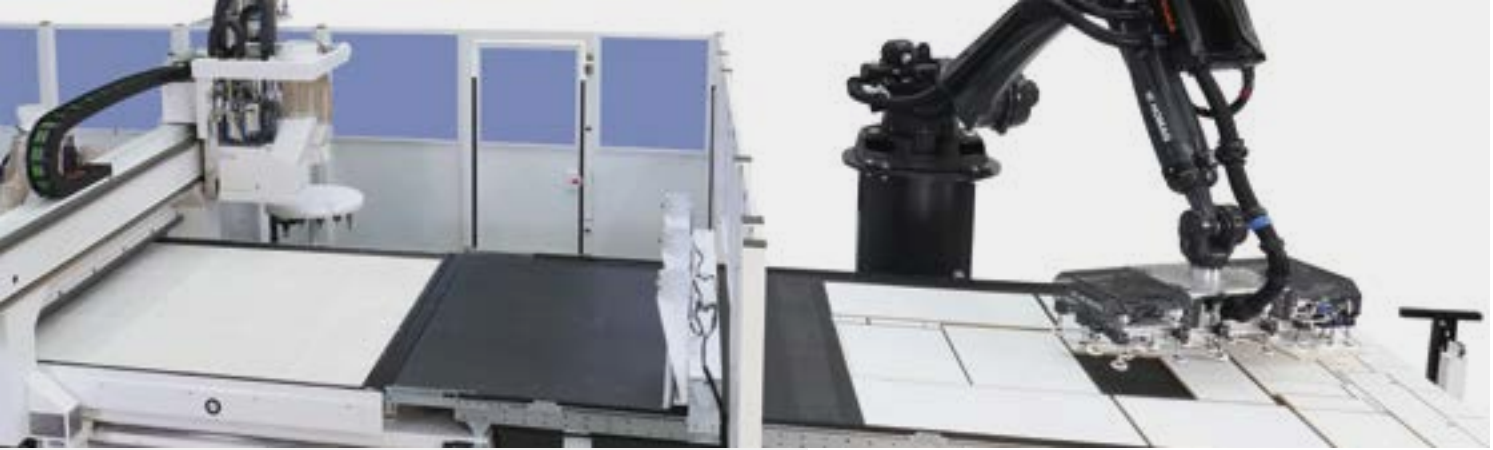


www.lamello



Experience CNC live and receive comprehensive product information!





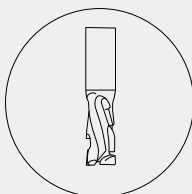
CNC tools - aggregate

Benz MULTI V3 CABINEO

Benz has developed a 3 spindle aggregate to drill the holes for the Cabineo in one plunge. This reduces the production time to 1–2 seconds (1 drill, anti-clockwise rotation; 2 drills, clockwise rotation).

Atemag VERTINEO Function Line

Atemag offers an aggregate for the efficient machining of the three Cabineo drill holes in one process step (2 drills, anti-clockwise rotation; 1 drill, clockwise rotation).



CNC tools

Leuco triple drill

Leuco developed the three meshing drills for aggregates with triple multi-spindle head

Leitztriple drill

Leuco triple drill set for Cabineo aggregate.



CNC tools

For the P-System



P-System CNC tools



P-System CNC drill bit

Art. No.

6 mm, solid carbide, for mitres,

131556

L = 100/35 mm, shaft = Ø 10 mm



P-System groove cutter CNC DP (diamond),

Ø 100.4 × 7 mm

Art. No.

Ø 100.4 × 7 × Ø 30 mm, Z3, NL 4 × Ø 6.6 × Ø 48 mm

132142

suitable for all P-System CNC cutter arbor listed
on the right



Art. No.

Ø 100.4 × 7 × Ø 30 mm, Z6, NL 4 × Ø 6.6 × Ø 48 mm

132145

suitable for all all P-System CNC cutter arbor listed
on the right



Art. No.

Ø 100.4 × 7 × Ø 40 mm, Z3, NL 4 × Ø 5.5 × Ø 52 mm

132143

E.g. for angle aggregates and FLEX5+C/

5-MOTION PLUS



Art. No.

Ø 100.4 × 7 × Ø 16 mm, Z3, NL 4 × Ø 5.5 × Ø 28 mm

132144

E.g. for corner notching aggregate



Art. No.

Ø 100.4 × 7 × Ø 35 mm, Z3, NL 4 × Ø 5.5 × Ø 50 mm

132148

e.g. for Brema Eko 2.1, Masterwood Project TF 100,
Format4 D-Jet



CNC cutter arbors for P-System groove

cutter, Ø 30, NL 4 × M4 × Ø 48 mm

Art. No.

Shaft Ø 20 × 50 mm, L = 102 mm

132150



Art. No.

Shaft Ø 25 × 60 mm, L = 102 mm

132151



Art. No.

Shaft Ø 16 × 50 mm, L = 85 mm

132152



Art. No.

Shaft Ø 16 × 55 mm, L = 68 mm

132153



Art. No.

Shaft Ø 16 × 50 mm, L = 85 mm, with clamping surface (2°- angle) e.g. for aggregate for door locks

132154



Art. No.

Shaft Ø 20 × 50 mm, L = 85 mm, with clamping surface (2°- angle) e.g. for aggregate for door locks

132155

M6 × 16 mm Torx countersunk bolt, 4 pieces, suitable for cutter arbors

132159

Screwdriver with cross-grip, Torx T20 × 100 mm

271919



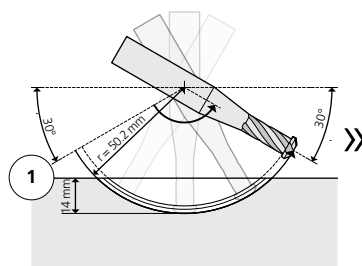
P-System CNC shaft tool cutter

Art. No.

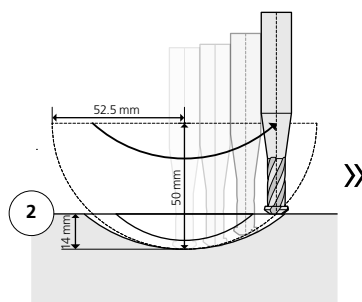
HW solid (carbide), shaft Ø 12 × 40 mm, L = 80 mm

131342

One tool with 2 functions



P-System CNC shaft tool cutter with 5-axis



P-System CNC shaft tool cutter with 3-axis

Lamello recommends making all profile grooves with a disc cutter, primarily for reasons of precision, service life, machining time and thus economic efficiency.

A P-System CNC shaft tool cutter or contour cutter should only be used for the machining of surfaces if no angle aggregate is available.

CNC tools

For Cabineo



Drilling System

Cabineo drill/cutter

Art. No.



Cabineo drill Ø 15 mm with short centering point

136312



Art. No.

Cabineo cutter Ø 10 mm

136310



Art. No.

Cabineo cutter Ø 12 mm

136311

Cabineo drills for triple aggregate



Art. No.

Cabineo drills for aggregate Ø 15 mm

136314

RH carbide tipped (right hand rotation)



Art. No.

Cabineo drills for aggregate Ø 15 mm

136315

LH carbide tipped (left hand rotation)



« We have tried out and compared many connectors. Processing for the Cabineo is extraordinarily simple, and allows us to make significant time savings throughout the production process. »

Andreas Derrer, Owner and Managing Director, Schreinerei Derrer AG,
Dielsdorf, Switzerland

Accessories





Accessories / Spare Parts

P-System

P-System



P-System connector assortment

professional

Art. No.

Scope of delivery: 120 pairs Clamex P-14, **145312**

30 pairs Clamex P-14/10 Flexus, 30 pairs Clamex P-10,

80 pairs Tenso P-14 incl. clip, 30 pairs Tenso P-10

incl. clip, 20 pieces Bisco P-14, 20 pieces Bisco P-10,

80 pairs Divario P-18, Divario installation tool/drill/

marking gauge, Clamex P installation tool, Tenso P-14/10

preload tool, Sortainer T-loc



P-System connector assortment

basic

Art. No.

Scope of delivery: 80 pairs Clamex P-14, **145314**

80 pairs Tenso P-14 incl. clip, 60 pairs Clamex P-14/10

Medius, 20 pieces Bisco P-14, Tenso P-14/10 preload tool,

Systainer II T-Loc incl. compartment dividers

Clamex P



Clamex P assembly tool

Art. No.

For all angles, fast and flexible, hex 4 x 30 mm, **251993**

length 290 mm



Allen key

Art. No.

4 mm, 75 × 55 mm **271945**

4 mm, 120 × 50 mm **271945A**



335282

Cover cap, 100 pieces, 90°

Art. No.

RAL 9010 pure white  **335280**

RAL 9011 graphite black  **335281**

RAL 1014 ivory, pine  **335282**

RAL 1011 brown beige, beech  **335283**

RAL 8007 fawn brown  **335284**


RAL 8017 chocolate brown  **335289**

RAL 9002 grey white  **335285**

RAL 7035 light grey  **335286**


RAL 7040 window grey  **335287**

RAL 7031 blue grey  **335288**

RAL 7022 umbra grey  **335298**

Cover cap, 500 pieces, 90°

Art. No.

RAL 9010 pure white  **335362**

RAL 9011 graphite black  **335363**

RAL 1014 ivory, pine  **335364**

RAL 1011 brown beige, beech  **335365**



335282

Cover cap, 100 pieces, 45°

Art. No.

RAL 9010 pure white  **335380**


RAL 9011 graphite black  **335381**

RAL 1014 ivory, pine  **335382**

RAL 1011 brown beige, beech  **335383**

RAL 8017 chocolate brown  **335384**

RAL 7035 light grey  **335386**

RAL 7022 umbra grey  **335388**



Clamex P drill jig

Art. No.

Incl. drill, from 22.5° for all **125344**

Clamex P connectors (P-10, P-14)

Angle for drill jig **255250**

Element insert for size P-10 **255251**

Element insert for size P-14 **255252**



Clamex P drill jig long

Art. No.

Drill jig for thick workpieces 100 mm, **125345**

(P-14), incl. drill



Drill

Art. No.

Spiral drill Ø 6 mm with centering point, **131506**

for Clamex P drill jig

Spiral drill Ø 6 mm with centering point, **131508**

for Clamex P drill jig long

Depth adjuster for drill, 6 mm diameter **255243**

Accessories / Spare Parts

P-System

Combination CNC and Zeta P2



Positioning pin CNC for Zeta P2*,

2 pieces

Art. No.

Ø 5 mm

251048

Ø 8 mm

251066



Positioning clip CNC for Zeta P2*

Art. No.

Ø 6 mm

251067

for positioning in the Clamex P access hole (6 mm)

Tenso P



Tenso P-14/10 preload tool

Art. No.

Tool to pre-load the Tenso P

145400



P-System 4 mm depth

adjuster attachment for P-8

Art. No.

For offset installation on dividing panels

145439

16 mm with Tenso P-10

Divario P



Divario P-18 Marking jig metal with marking points

Art. No.

Marking jig incl. drill with centering point and rotating depth collar for the precise drilling of Divario drill holes by hand

125510



Divario P-18 Marking jig plastic, to mark with a pencil

Art. No.

Marking jig to mark the Divario holes with a pencil

125511



Divario P-18 Installation tool

Art. No.

Divario P-18 Installation tool for fixing the Divario in the workpiece

125500



Divario P-18 Starter set

Art. No.

80 pairs in Systainer Size I, incl. installation tool and marking jig in metal

145551

Zeta P2



Stop square for Zeta P2, Top 21, Classic X

Art. No.

For stabilising the biscuit joiner in the vertical position, ideal for obtuse mitre joints

251044



Spacer for Zeta P2, Top 21, Classic X

Art. No.

5 mm, aluminium for 18 mm panels

253027

2 m, plastic for 16 mm panels

253023

4 mm, plastic for mitres

253026



P-System groove cutter DP (diamond),

Ø 100.4 × 7 × Ø 22 mm

Art. No.

Z3, 4 NL for Zeta P2

132140



P-System groove cutter HW (carbide),

Ø 100.9 × 7 × Ø 22 mm

Art. No.

Z3, 4 NL for Zeta P2

132141

Accessories / Spare Parts

Lamello System

Lamello System



Stop square for Zeta P2, Top 21, Classic X

Art. No.

For stabilising the biscuit joiner in the vertical position, ideal for obtuse mitre joints

251044



Spacer for Zeta P2, Top 21, Classic X

Art. No.

5 mm, aluminium for 18 mm panels

253027

2 m, plastic for 16 mm panels

253023

4 mm, plastic for mitres

253026



Systainer II T-loc

Art. No.

Systainer II T-loc, empty

331565

Insert with two partitions

360018

for systainer II

Insert systainer II T-loc

360014

for Zeta P2/Top21/Classic X



Groove cutter HW (carbide),

Ø 100 × 4 × Ø 22 mm

Art. No.

Z2 + V4 scoring teeth, 4 screw holes, hub
for Zeta P2/Top 21/Classic X

132000



Art. No.

Z6 alternating teeth, without hub, with spacer
for Classic X

132106



Groove cutter HW (carbide),

Ø 78 × 3 × Ø 22 mm

Art. No.

Z4, 4 Screw holes, with hub for original wooden
biscuit H9 for Zeta P2/Top 21/Classic X

132009



Groove cutter HW (carbide) with reversible blades,

Ø 100 × 4 × Ø 22 mm

Art. No.

Z2 + V2, 4 screw holes with hub
for Zeta P2/Top 21/Classic X

132001

Set of 4 pieces

132111

Countersunk screws

352408T

Allen key, 4 mm

271959L



Groove cutter HW (carbide) with reversible blades,

Ø 100 × 4 × Ø 22 mm

Art. No.

Z4 + V4, 4 screw holes without hub, with spacer
for Zeta P2/Top 21/Classic X

132130

Set of 10 pieces main teeth

132134

Set of 10 pieces scoring teeth

132135

Replcement set,

132133

4 scoring teeth + 4 main teeth

Screws

352130

Torx key

352133



Groove cutter HW (carbide) with reversible blades,

Ø 100 × 8 × Ø 22 mm (Clamex S-18 connector)

Art. No.

Z4 + V4, 4 screw holes

132108

for Top 20/Top 21/Classic X

Set of 10 pieces scoring teeth

132137

Set of 10 pieces main teeth

132136

Replcement set,

132114

4 scoring teeth + 4 main teeth

Accessories/ Spare Parts

Lamello System

Lamello System



Slide shoe for biscuit joiner

Art. No.

To protect the wall and the machine
for Zeta P2/Top 21/Classic X

251057



Carbide tipped saw blades HW (carbide)

for expansion gaps, Ø 100 × 2.4 × Ø 22 mm

Art. No.

Z20, 4 screw holes, 2 spacers

132350

for Zeta P2/Top 21/Classic X



Accessories for saw blades

Art. No.

Spacer, Ø 40 × 1 × Ø 22 mm

322510

with screw holes

for Zeta P2/Top 21/Classic X



Art. No.

Flange M8 to saw blades

252502



Clamex S drill jig

Art. No.

Clamex S drill jig 30° – 150°,

125240

with 6 mm drill complete



Clamex S-18 set

Art. No.

Drill jig for 30° – 150° incl. drill and carbide
tipped groove cutter
with drill jig and cutter
includes 1 set 125240 and 1 piece 132108

125250

Clamping set parts



Clamps

Art. No.

5 m clamping strap
8 m clamping strap
10 m clamping strap

175005

175008

175010



Buckle for clamps

Art. No.

1 piece, without strap

175060



Polyester strap for clamps

Art. No.

1 roll of 50 m

175050



Art. No.

Per meter m¹

335000



Tension hooks

Art. No.

2 pieces

175200



Profile sections

Art. No.

4 pieces, length 12 cm

175401

4 pieces, length 40 cm

175402

4 pieces, length 60 cm

175403

Accessories / Spare Parts

Drilling System



Cabineo



Cabineo installation tool

Art. No.

With handle, incl. hex bit 1/4"

256300



Art. No.

Cabineo hex bit 1/4"

276312



Art. No.

Cabineo hex bit 1/4" GL 80 mm

276308

Cabineo hex bit 1/4" GL 80 mm, 100 pieces

276309



Cabineo drill/cutter

Art. No.

Cabineo drill Ø 15 mm with short centering point

136312



Art. No.

Cabineo cutter Ø 10 mm

136310



Art. No.

Cabineo cutter Ø 12 mm

136311



Art. No.

Cabineo drills for aggregate Ø 15 mm

136314

RH carbide tipped (right hand rotation)



Art. No.

Cabineo drills for aggregate Ø 15 mm

136315

LH carbide tipped (left hand rotation)



Cabineo cover caps	Art. No.		Art. No.
	100 pieces		2000 pieces
RAL 9003 signal white	186350S	○	186351S
RAL 9010 pure white	186350W	○	186351W
RAL 9018 papyrus white	186350P	●	186351P
RAL 1015 light ivory	186350H	●	186351H
RAL 1011 brown beige	186350B	●	186351B
RAL 8007 fawn brown	186350R	●	186351R
RAL 7040 window grey	186350F	●	186351F
RAL 7005 mouse grey	186350A	●	186351A
RAL 9005 jet black	186350T	●	186351T
Metal look, silver	186350C	●	186351C
Metal look, nickel	186350N	●	186351N
Metal look, dark steel	186350D	●	186351D



Cabineo insert insertion tool	Art. No.
For insert M6	276310

Invis Mx2



Invis Mx2 connector set	Art. No.
With 14 mm Invis Mx2 stud, 20 pairs	6012300



	Art. No.
With 30 mm Invis Mx2 stud, 20 pairs	6012301



Invis Mx2 connector 35 mm	Art. No.
20 pieces	6012317



Invis Mx2 stud 14 mm	Art. No.
20 pieces	6012312



Invis Mx2 stud 30 mm	Art. No.
20 pieces	6012309



Invis Mx2 centre wall stud 10–30 mm	Art. No.
10 pieces	6012208

Accessories / Spare Parts

Drilling System



Invis Mx2



Invis Mx2 screw bit

Art. No.

1 piece

6112205



Invis Mx2 MiniMag

Art. No.

Incl. screw bit

6100301



Invis Mx2 flexible shaft

Art. No.

1 piece

6100204



Invis Mx2 insertion jig

Art. No.

For studs 14 mm

6112333



Invis Mx2 insertion bush for Rasto

Art. No.

For studs 14 mm

6112330

Rasto



Rasto wood drill bit with centering tip	Art. No.
Ø 5 mm	6100160
Ø 6 mm	6106161
Ø 8 mm	6108060
Ø 10 mm	6110162
Ø 12 mm	6112060



Rasto drill bush	Art. No.
Ø 5 mm	6100065
Ø 6 mm	6100056
Ø 8 mm	6100057
Ø 10 mm	6100067
Ø 12 mm	6100058



Rasto depth adjuster	Art. No.
Ø 5 mm	6100059
Ø 6 mm	6100063
Ø 8 mm	6100060
Ø 10 mm	6100064
Ø 12 mm	6100061



Rasto fixing screw	Art. No.
4.5 x 35 mm, TX 25	6560450



Rasto positioning bolts	Art. No.
Ø 5 x 40 mm	6160001



Invis Mx2 spacer	Art. No.
For Rasto	6112331



Rasto connection rod 500 mm	Art. No.
Two-part	6160601



Rasto perforated plate	Art. No.
1 piece	6160000

Overview of connectors

P-System



P-System groove cutter DP

(diamond),

Ø 100.4 × 7 × Ø 22 mm

Art. No.

Z3, 4 NL for Zeta P2

132140



P-System groove cutter HW

(carbide),


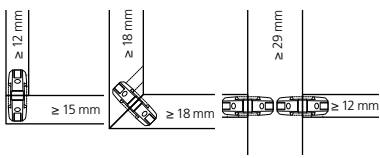

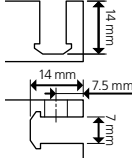

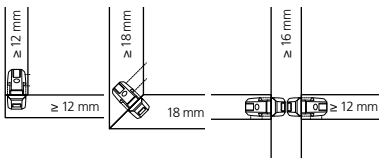

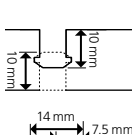

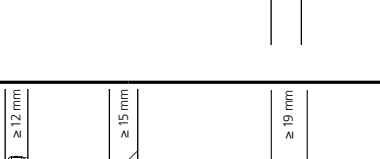

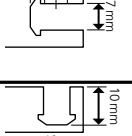

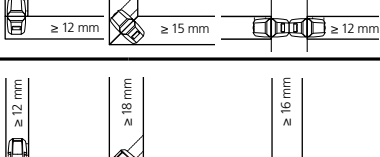

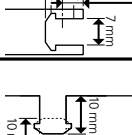

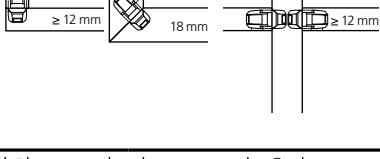

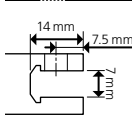

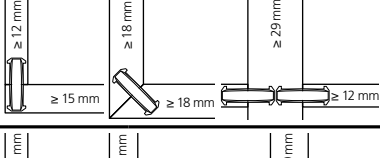

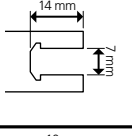

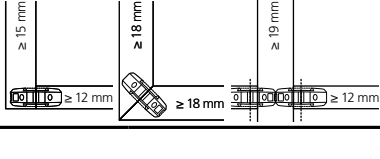

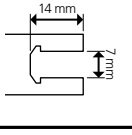


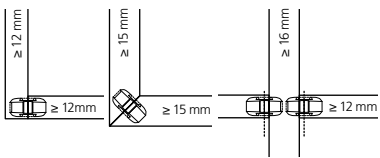

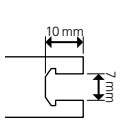

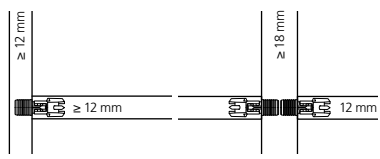

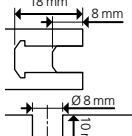
Ø 100.9 × 7 × Ø 22 mm

Art. No.

Z3, 4 NL for Zeta P2

132141



Clamex P Detachable	Clamex P-14 	Pairs	Art. No.		 
		80	145334		
		300	145346		
	Clamex P-14/10 Medius 	1000	145356		 
		80	145370		
		300	145371		
Clamex P-10 		1000	145357		 
		80	145372		
		300	145373		
	Clamex P-14/10 Flexus 	1000	145374		 
		80	145315		
		300	145316		
Bisco P-14 		1000	145317		 
		80	145301		
		300	145302		
	Bisco P-10 	1000	145303		 
		80	145304		
		300	145305		
Tenso P Glued	Tenso P-14 	1000	145435		 
		80	145415		
		300	145425		
	Tenso P-14 preload clip 	1000	145436		
		300	145426		
		80	145418		
Tenso P-10 		1000	145438		 
		80	145418		
		300	145428		
Divario P Inserted	Divario P-18 	1000	145570		 
		300	145560		
		80	145550		

Overview of connectors

Lamello System


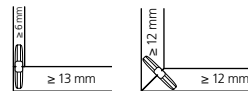
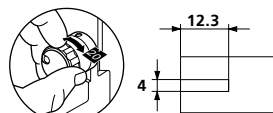

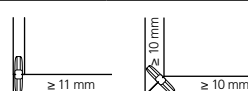
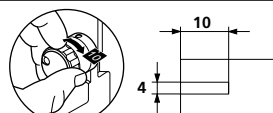
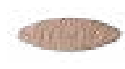
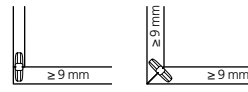
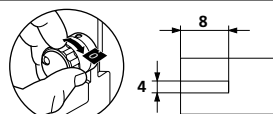

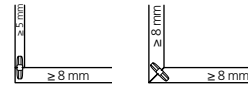
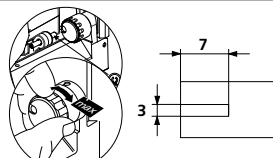

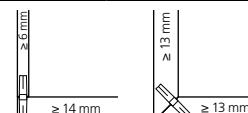
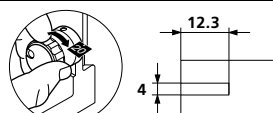

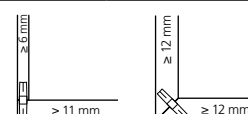
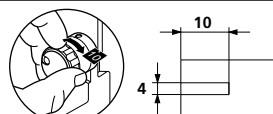

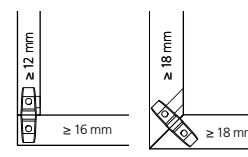
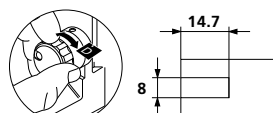

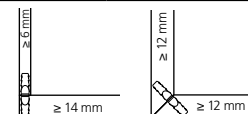
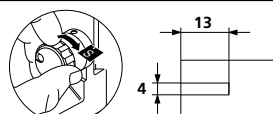

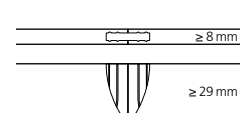
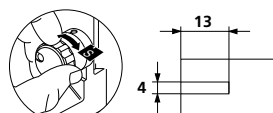

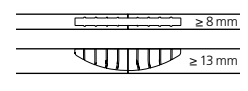


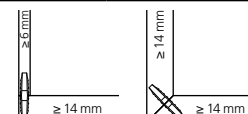
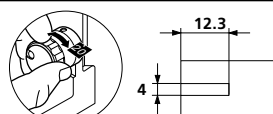


Groove cutter HW (carbide),
Ø 100 × 4 × Ø 22 mm Art. No.
 Z2 + V4 scoring teeth, **132000**
 4 screw holes, hub
 for Zeta P2/Top 21/Classic X



Groove cutter HW (carbide),
Ø 100 × 4 × Ø 22 mm Art. No.
 Z6 alternating teeth, without **132106**
 hub, with spacer for Classic X



Detachable	Original wooden biscuit 20 	Pieces	Art. No.		
		1000	144020		
	Original wooden biscuit 10 	1000	144010		
	Original wooden biscuit 0 	1000	144000		
	Original wooden biscuit H9 	1000	144009		
	C20 	250	145010		
	C10 	250	145012		
Glued	Clamex S-18 	Pairs	Art. No.		
		18	145231		
		80	145236		
		300	145241		
	Simplex 	1000	145251		
		50	166101		
Hammered	E20-H 	Pieces	Art. No.		
		80	145021		
		400	145026		
		1200	145028		
	E20-L 	80	145022		
		400	145025		
		1200	145027		
	K20 	80	145001		
		250	145000		

Overview of connectors

Drilling System



Cabineo drill/cutter	Art. No.
Cabineo drill Ø 15 mm with short centering point	136312
Cabineo cutter Ø 10 mm	136310
Cabineo cutter Ø 12 mm	136311

- 1 Cabineo 8: X = 8 mm**, black screw
2 Cabineo 12: X = 12 mm, nickel-plated screw
3 Cabineo 8 M6*: X = 8 mm, yellow galvanised screw
 * Metric ISO thread DIN 13-1

<div>Cabineo</div> <div>Detachable</div> <div></div>	<div>Cabineo 12</div> <div></div>	Pieces	Art. No.	<div></div>	<div>On the surface ^{1, 2, 3}</div> <div></div> <div>Installation options</div> <div></div> <div>Machining options</div> <div>Flush with the surface ^{1, 2, 3}</div> <div></div> <div>Installation options</div> <div></div> <div>Machining options</div> <div>Flush cover cap ^{1, 2, 3}</div> <div></div> <div>Installation options</div> <div></div> <div>Machining options</div> <div>HPL on the surface ³</div> <div></div> <div>Installation options</div> <div></div> <div>Machining options</div>
		500	186320		
		2000	186321		
	<div>Cabineo 12 black</div> <div></div>	500	186330		
		2000	186331		
	<div>Cabineo 8</div> <div></div>	500	186310		
		2000	186311		
<div>Cabineo 8 black</div> <div></div>	500	186340			
	2000	186341			
<div>Cabineo 8 M6</div> <div>metric thread M6</div> <div></div>	500	186315			
	2000	186316			
<div>Cabineo 8 M6 black</div> <div>metric thread M6</div> <div></div>	500	186345			
	2000	186346			
<div>Cabineo insert</div> <div>M6 × 12.3</div> <div></div>	100	186370			
	500	186371			
<div>Cabineo insert</div> <div>M6 × 15.3</div> <div>for centre panels</div> <div></div>	100	186375			
	500	186376			

<div></div> <div>Cabineo insert M6 × 12.3 for material thickness 14–16 mm</div>
<div></div> <div>Cabineo insert M6 × 15.3 for material thickness 17–25 mm</div>

<div></div>

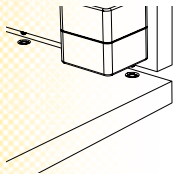
Invis Mx2 Starter set

Invis Mx2 MiniMag, Invis Mx2 connector sets,
20 pairs, with 14 mm Invis Mx2 stud, Rasto drill jig
with 12 mm drill bit, depth adjuster, bushing,
screw bit, flexible shaft, insertion jig

Art. No.

6100300**Invis Mx2**

Detachable

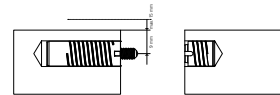


**Invis Mx2
connector set**
with 14 mm Invis Mx2
stud



Pairs

20

Art. No.**6012300**

**Invis Mx2
connector set**
with 30 mm Invis Mx2
stud



20

Art. No.**6012301**

**Invis Mx2
connector 35 mm**



Pieces

20

Art. No.**6012317**

**Invis Mx2 stud
14 mm**



20

Art. No.**6012312**

**Invis Mx2 stud
30 mm**



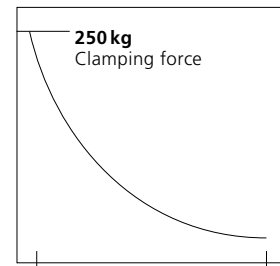
20

Art. No.**6012309**

**Invis Mx2
centre wall stud
10–30 mm**



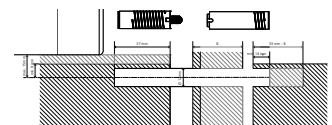
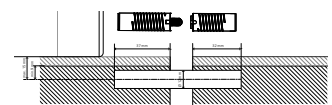
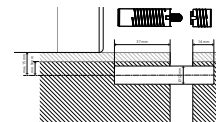
10

Art. No.**6012208**

9 mm

15 mm

Small distance from the edge
for high clamping force

**Disclaimer regarding load limits**

Wherever we list information on material strength or loads for our products, they are empirical values of load limits, based on specifically defined test conditions similar to DIN 68501:2016-11. Specific characteristics, in particular to the effect that the products will reach the listed loads in the actual used case, are not thereby guaranteed. Rather, it is the responsibility of the respective user to check and ensure the suitability of the products for each specific used case. Since actual load limits substantially depend on circumstances unrelated to the products themselves, e.g. the properties of the carrier materials used, the assembly or the installation environment, any advice provided by us in the form of a product recommendation with regard to a specific suitability is always non-binding and does not release the user from his or her own examination. **To the maximum extent possible under the law, all warranties, express or implied are DISCLAIMED. This includes, but is not limited to, any warranty of fitness for a particular purpose or merchantability. We undertake no responsibility that the goods except as may be included in any contract, and we assume no responsibility that the goods will be fit for any particular purpose, except as may be provided in any contract.**



Lamello



Catalogue 2022/2023

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Art. No. 9880050EN