



Catalogue

2015 / 2016

english



**Pioneering
wood joining**
simple ingenuity

Intelligent and innovative design with a significant impact!

We strive for new solutions in wood joining and processing technology that give our customers new freedom in design and production. Years of practical experience and close cooperation on development with our customers, combined with quick implementation mean that we are able to provide outstanding services while continually supporting and inspiring our customers in trade and industry.



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Lamello Distribution Network

We are there for you

– worldwide!



Lamello, Bubendorf Switzerland



As a leading manufacturer of precision joining systems, Lamello sets new standards with the P-System when it comes to joining fittings and work pieces. The system's special feature is its form-locking anchorage that does not require the use of adhesive or screws. The great benefit for the customer lies in just how simple it is to install the fittings – taking just a few seconds without the need for tools. The versatile range of P-System fittings is continually being expanded with new, highly practical, innovative components which allow for an increasingly universal application of the system. Our customers in trade and industry benefit continually from the system's high functional efficiency and process cost efficiency.



«Successfully fostering practical innovation and creativity with and through our employees and business partners in order to create clearly identifiable value and advantages for our customers in trade and industry – benefits that facilitate sustainable growth for all involved.»



Erich Zeller CEO,
Susanne Affolter Owner Lamello AG



«Our work merges tradition and modernity. Lamello's innovative ideas meet this standard perfectly.»

Markus Faißt, Manager of Holzwerkstatt Markus Faißt in Hittisau, Austria



The name Lamello combines **Tradition and Innovation.**

We particularly value:

System solutions

We develop, produce and market intelligent, innovative systems and application solutions that have clear unique selling points and high user value for joining technology. We have an extraordinarily high standard of quality and place immense value on Swiss premium perfection and precision.

Customer focus

Lamello products pay for themselves! Our products should enable our customers to work more flexibly, productively and effectively. At Lamello, we don't take things for granted, but instead set out to impress and inspire our customers on a daily basis. Our system solutions and products should not only meet but exceed our customers' expectations.

Excellent quality

Our pursuit of outstanding quality is the foundation of our practices and defines the services we offer our customers. You can trust our highly trained, committed employees. We offer many years of experience in high-quality joining and woodworking technology and are equipped with state-of-the-art machinery.

Innovation

In addition to state-of-the-art technology, we also provide unique solutions – such as the P-System – that continue to amaze our customers. We set innovative market trends thanks to the extensive knowledge we have gathered over the years. By continually developing our products, services and processes, we guarantee our customers the lead in performance. This knowledge is complemented by a large dose of curiosity and a close relationship with our customers.

Durability and economy

When it comes to the development, construction and design of our products, we are uncompromising and we focus on practical solutions. The result is machinery characterised by its hard-wearing technology, sophisticated design and simple operation. Technology from Lamello gives you significant benefits in the face of global competition, maximises your productivity and opens up new horizons for design and creativity.

Environmental responsibility

Lamello products and system solutions are proven to be designed with durability and reliability in mind. This legendary durability helps to preserve precious resources and protects the environment by reducing waste. Moreover, we are constantly improving the energy efficiency of our company and our production processes. The high environmental standards at our production site in Switzerland also ensure careful use of resources – a considerable portion of which come from sustainable management.

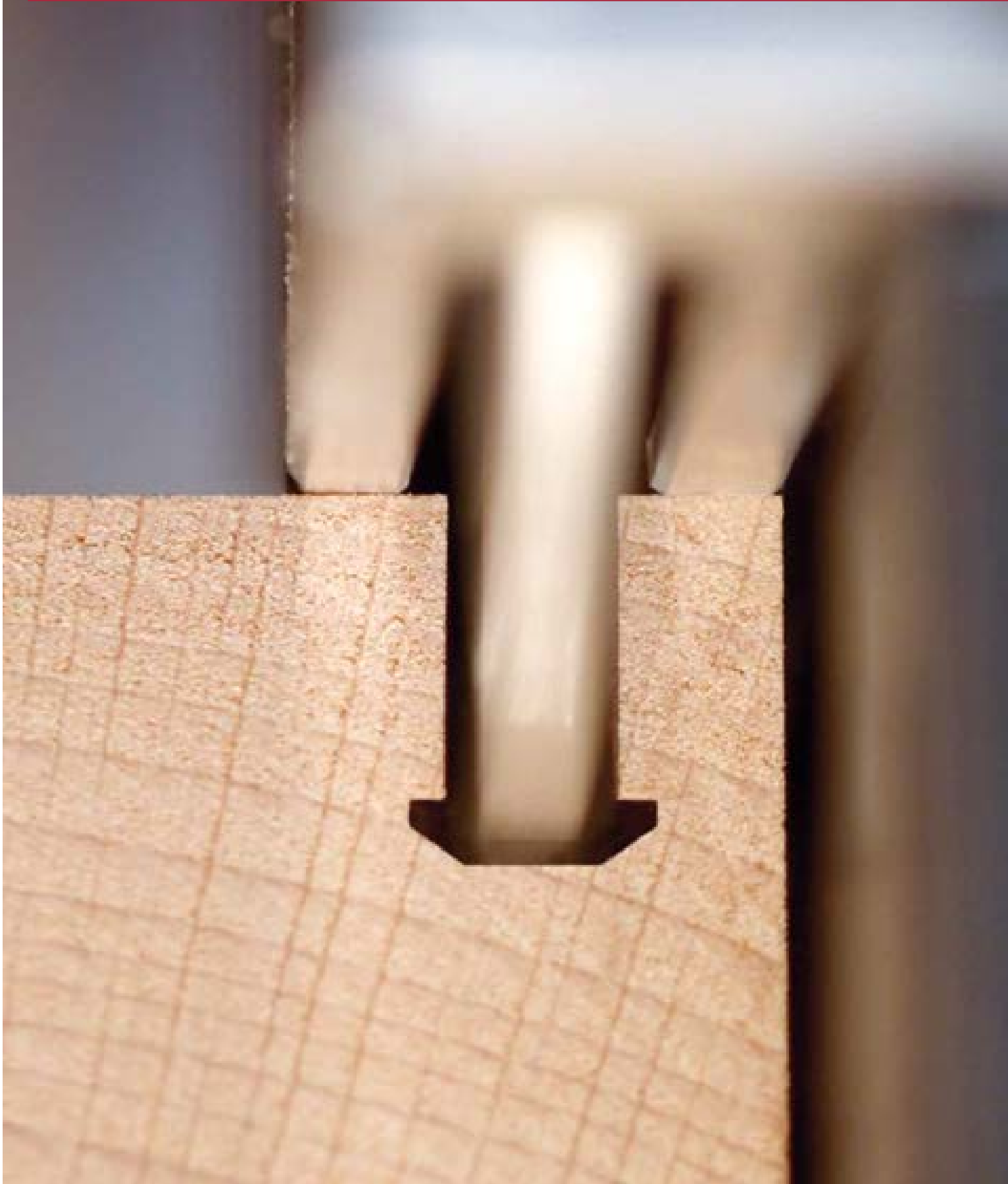
P-System

«The time saved with the P-System convinced us from the start.»

from left to right: Hannes Kofler, production planning and organisation;
Daniel Kofler, purchasing and sales at Kofler in St. Felix, Italy

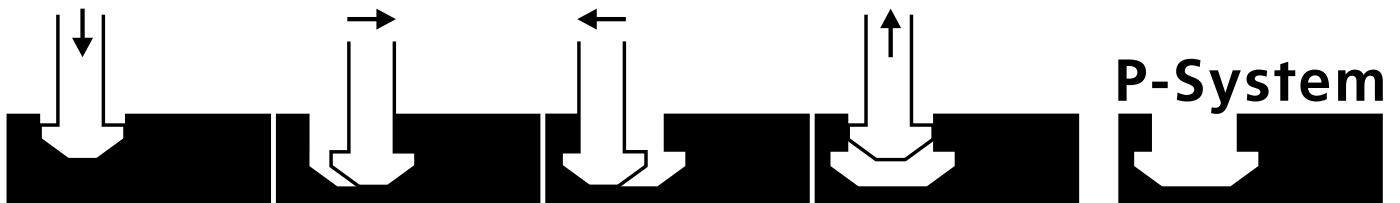


Joining with the **P-System**



Form-locking, tool-free installation of Lamello P-System fittings

How it works



Advantages and properties

Fittings installation twice as fast



Save cost due to the fast installation of fittings by simply inserting the elements



Tool-less fittings installation



Very simple fitting installation by hand in the workshop or on site

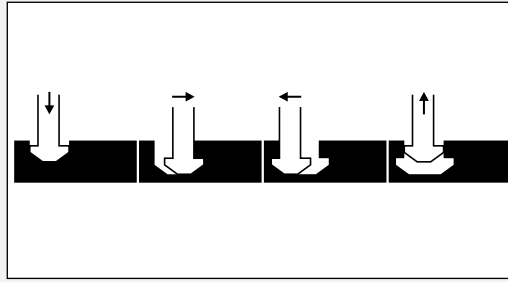


Low packing volume

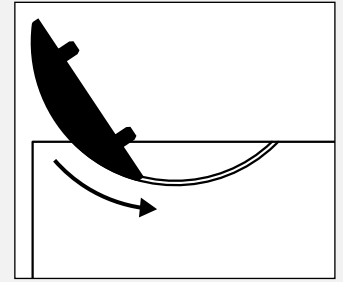


Stackable with pre-installed fittings brings advantages in packing and transport and allows for fast assembly on site

P-System



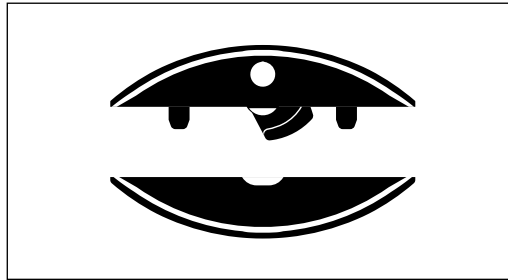
Fast installation



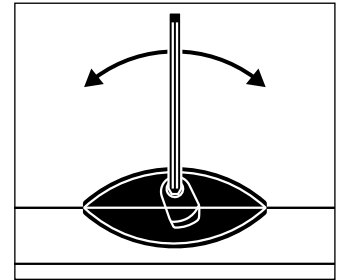
Inserting instead of screwing or glueing, within seconds and without waiting time means no waiting for adhesive to dry

Clamex P

Detachable connecting fitting



Detachable

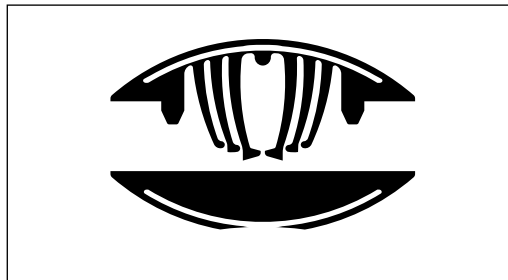


Open the connection time and time again with the rotating lever

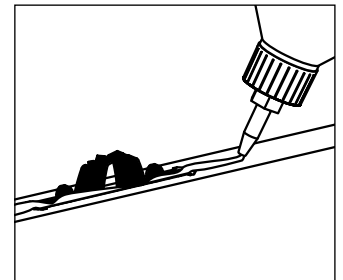
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Tenso P

Self-clamping fitting as gluing aid



Glueing

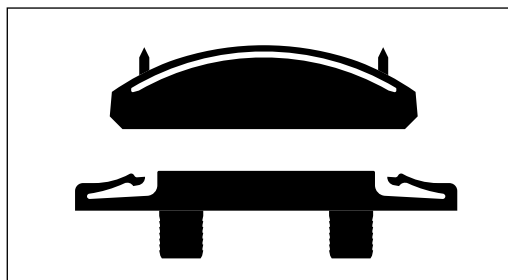


Fixed joints of two workpieces

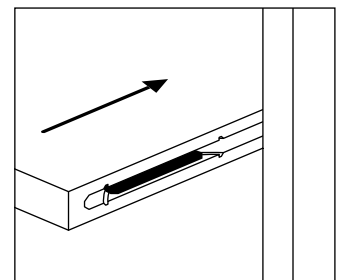
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Divario P

Self-clamping, invisible fitting for slide insertion



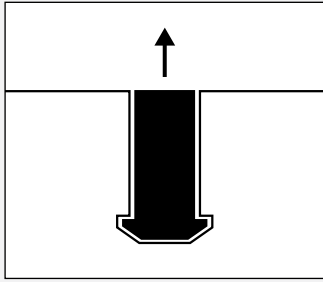
Sliding insertion



Insertion between two fixed sides or shelves via a guiding groove

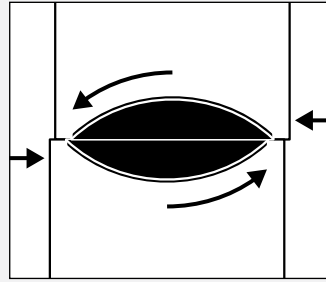
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Strong and form-locking



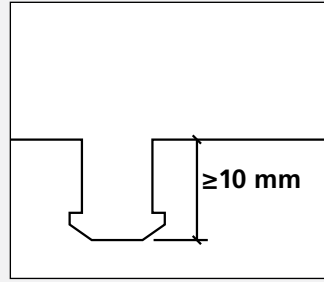
Form-locking anchorage across large surface areas ensures optimum tensile strength even with weaker materials

Lateral tolerance in P-System groove



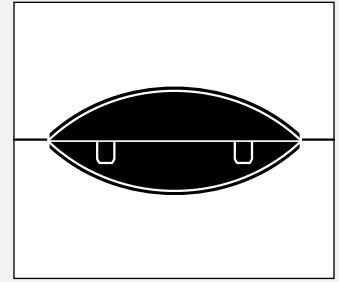
The P-System allows both workpieces to be aligned perfectly flush

Shallow cutting depth



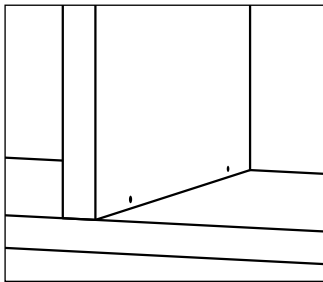
Minimal cutting depth with maximum tensile strength – ideal for connections with panels

No twisting



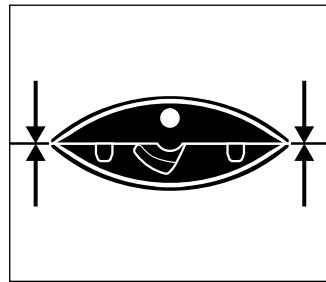
The positioning pins prevent twisting without the need for additional dowels

Aesthetic



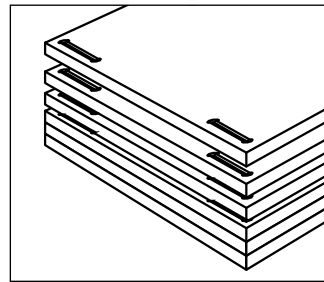
The small, hardly visible opening (Ø = 6 mm) serves to close and open the connector

High clamping force



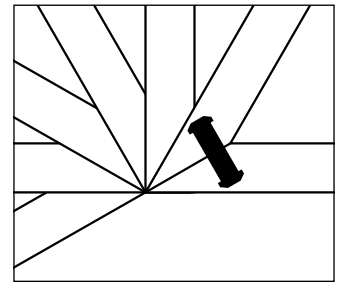
Clamp and glue work pieces at any angle, ~ 80 kg

Stackable



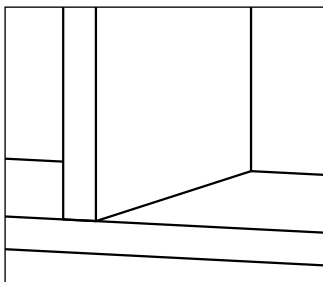
Work pieces with pre-installed P-System fittings are stackable for storage and transport

Versatile



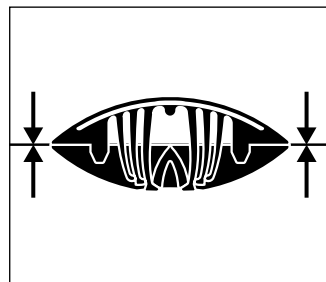
The shallow element depth allows for mitres from 22.5 – 180°, surface, corner and dividing panel connections

Invisible



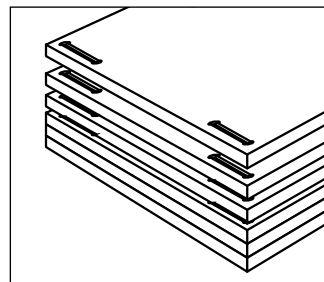
No visible fitting

High clamping force



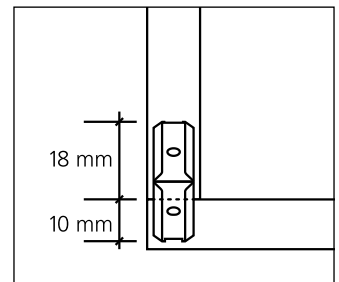
Allows for perfect alignment and clamps the workpieces ~ 15 kg

Stackable



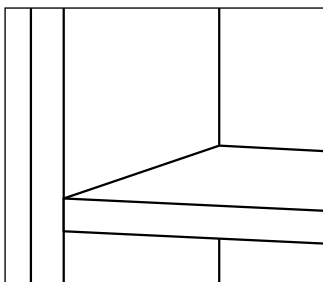
Work pieces with pre-installed P-System fittings are stackable for storage and transport

Flexible



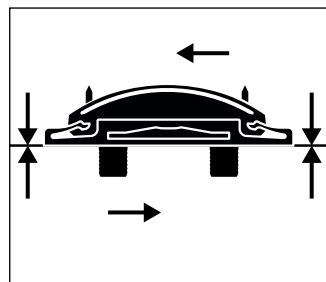
The off-set groove allows center panel connections (>19mm) as well as joining varying panel thicknesses

Invisible



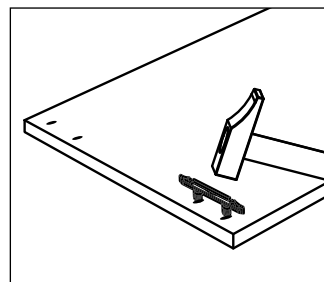
Guiding groove covers the fittings

Clamped joint



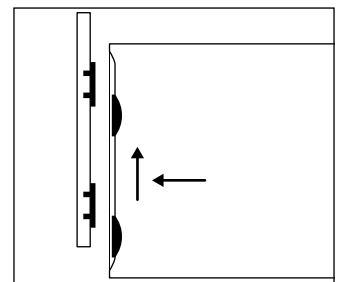
No resistance while inserting until shortly before building the clamping force

Fast installation



Quick installation of the fittings without glue after transport. Drill holes in the surface are possible with CNC without angle aggregates (eg. Nesting machines)

Assemble by sliding

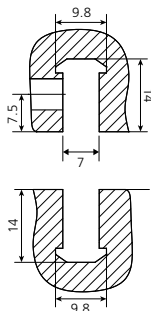
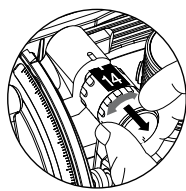


Partially routed guiding groove for completely invisible furniture joints

P-System fittings

Clamex P-14

Detachable connecting fitting



Technical data

Size..... 66 × 27 × 9.7 mm
 Cutter..... Ø 100.4 × 7 × 22
 Material of connector..... fibreglass reinforced plastic
 Material of lever..... zinc die cast
 Installation tolerance..... longitudinal ± 1 mm

Tensile strength (N)

MDF	~ 900
Particle board	~ 800
Beech	~ 1'000

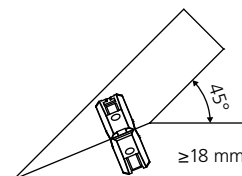
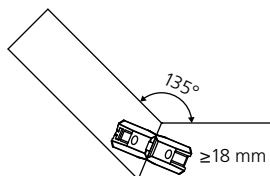
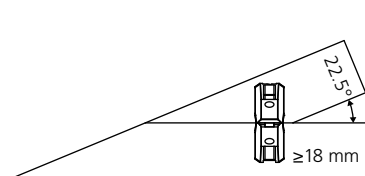
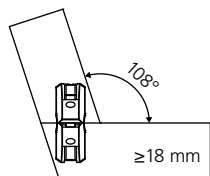
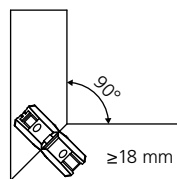
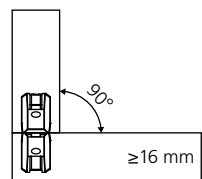
Clamex P-14

Art.No.

Carton with 80 pairs	145334
Carton with 300 pairs	145346
Carton with 1000 pairs	145356

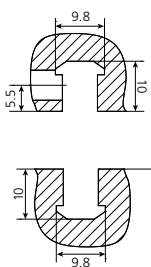
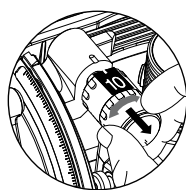
Drill jig P-System **125344**

Accessories can be found from page 90 onwards



Clamex P-10

Detachable connecting fitting



Technical data

Size..... 52 × 19 × 9.7 mm
 Cutter..... Ø 100.4 × 7 × 22
 Material of connector..... fibreglass reinforced plastic
 Material of lever..... zinc die cast
 Installation tolerance..... longitudinal ± 0.5 mm

Tensile strength (N)

MDF	~ 600
Particle board	~ 600
Beech	~ 900

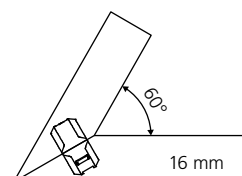
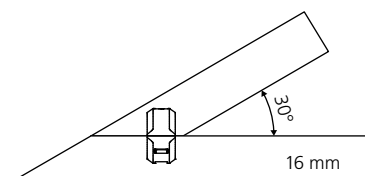
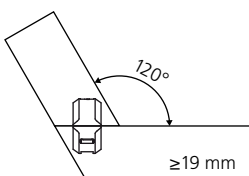
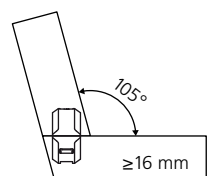
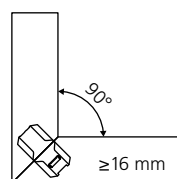
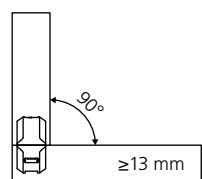
Clamex P-10

Art.No.

Carton with 80 pairs	145372
Carton with 300 pairs	145373
Carton with 1000 pairs	145374

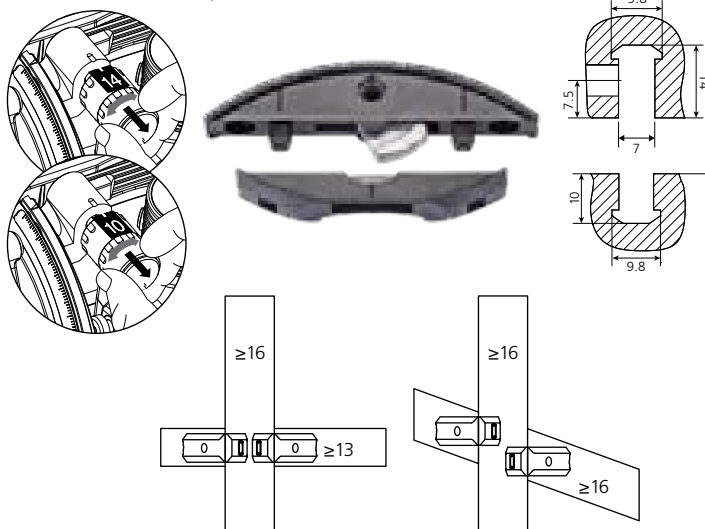
Drill jig P-System **125344**

Accessories can be found from page 90 onwards



Clamex P-Medius 14/10

Detachable connecting fitting for centre panels



Technical data

Size.....	66 × 13.5 × 9.7 mm
	52 × 7.5 × 9.7 mm
Cutter.....	Ø 100.4 × 7 × 22
Material of connector.....	fibreglass reinforced plastic
Material of lever.....	zinc die cast
Installation tolerance.....	longitudinal ± 1 mm

	Load (N) (19 mm)	Tensile strength (N)
MDF	~ 700	~ 800
Particle board	~ 550	~ 600
Beech	~ 2400	~ 900

Clamex P Medius 14/10	Art.No.
Carton with 80 pairs	145370
Carton with 300 pairs	145371
Carton with 1000 pairs	145357
Drill jig P-System	125344

Bisco P-14

Aligning element suitable for Clamex P-14 and Tenso P-14



Advantages and properties

- **Ideal addition to Clamex P and Tenso P**, fits into the P-System grooves, **without requiring a different cutter**
- **Bisco P-14 is ideal for dry-assembly before glueing a joint with Tenso P-14**
- **For aligning P-System grooves**, aligning function without glue
- **Surface structure allows use as a connecting element** when glueing work pieces with PVA glue
- **Lateral tolerance** +/- 2mm

Applications of Bisco P

- Separation walls
- Furniture with large depth
- Glueing of work pieces

Bisco P-10

Aligning element suitable for Clamex P-10

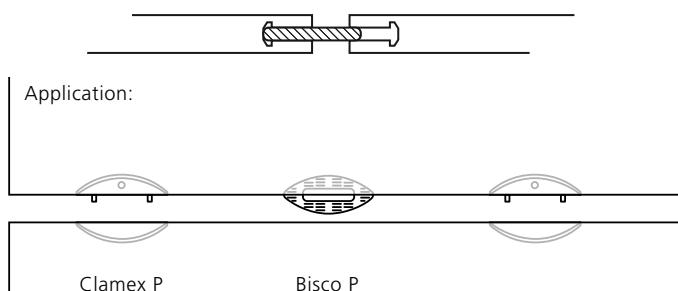


Technical data

Size Bisco P-14.....	65 × 27 × 7 mm
Size Bisco P-10.....	52 × 19 × 7 mm
Cutter.....	Ø 100.4 × 7 × 22
Material.....	plastic
Installation tolerance.....	longitudinal ± 2 mm
Tensile strength with adhesive.....	~ 400 N ≈ 40 kg

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

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



Accessories can be found from page 90 onwards

Clamex P – applications

Furniture manufacturing / Interior fitting

Your advantages with Clamex P

Aesthetic solution











– Differentiation to furniture standards

Stackable with pre-installed fittings

– Advantages in packaging, transport and logistics

Short assembly time on site

– Minimal installation cost

- | | |
|---|--|
| ✓  Detachable | ✓  Fast installation |
| ✓  Aesthetic | ✓  Strong and form-locking |
| ✓  High clamping force | ✓  Lateral tolerance in P-System groove |
| ✓  Stackable | ✓  Shallow cutting depth |
| ✓  Versatile | ✓  No twisting |

Applications

sideboards | shelves | wardrobes | display cases |
kitchen furniture | TV furniture | etc.



© Domino Möbel AG

Shop fitting / kitchen manufacturing

Your advantages with Clamex P

Stackable with pre-installed fittings

– Advantages in packaging, transport and logistics

Versatility for all angles











– Same system for all joining situations

Freedom of choice during assembly

– Detachable or glued construction

Short assembly time on site

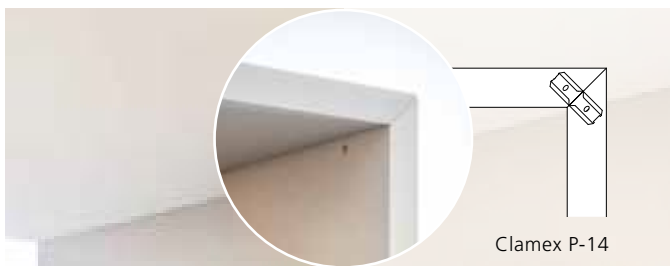
– Minimal installation cost

- | | |
|---|--|
| ✓  Detachable | ✓  Fast installation |
| ✓  Aesthetic | ✓  Strong and form-locking |
| ✓  High clamping force | ✓  Lateral tolerance in P-System groove |
| ✓  Stackable | ✓  Shallow cutting depth |
| ✓  Versatile | ✓  No twisting |

Applications

wall elements | furniture | show cases | changing rooms |
stools | etc.





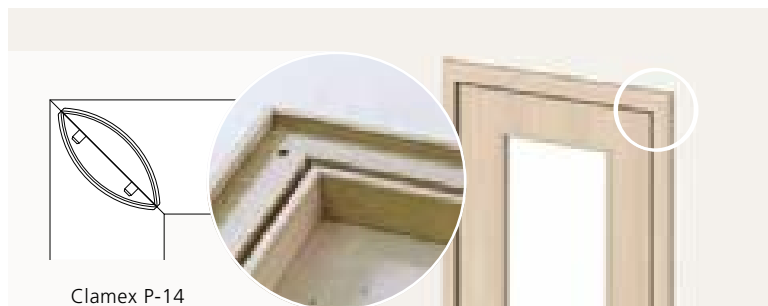
Clamex P-14



Clamex P-14



Clamex P Medius 14/10



Clamex P-14



Clamex P-14



Clamex P Medius 14/10



Clamex P-14

P-System fittings

Tenso P-14

Self-clamping fitting as gluing aid



Save time and money!

- No pressure marks and damaged areas on your work piece
- Work pieces are automatically in the correct angle
- Surplus glue can be easily wiped off
- Workpieces can be stacked or moved to temporary storage (no waiting time)

Save yourself from:

- Preparing clamps and protectors
- Needing an additional person holding the clamps and protectors
- Waiting time until the clamps can be removed

Important:

The aligning element Bisco P-14 is ideal to dry-assemble the joints before glueing

Technical data

Size.....	66 x 27 x 9.7 mm
Cutter.....	Ø 100.4 x 7 x 22
Material.....	fibreglass reinforced plastic
Installation tolerance.....	longitudinal ± 1 mm

Clamping force (N)

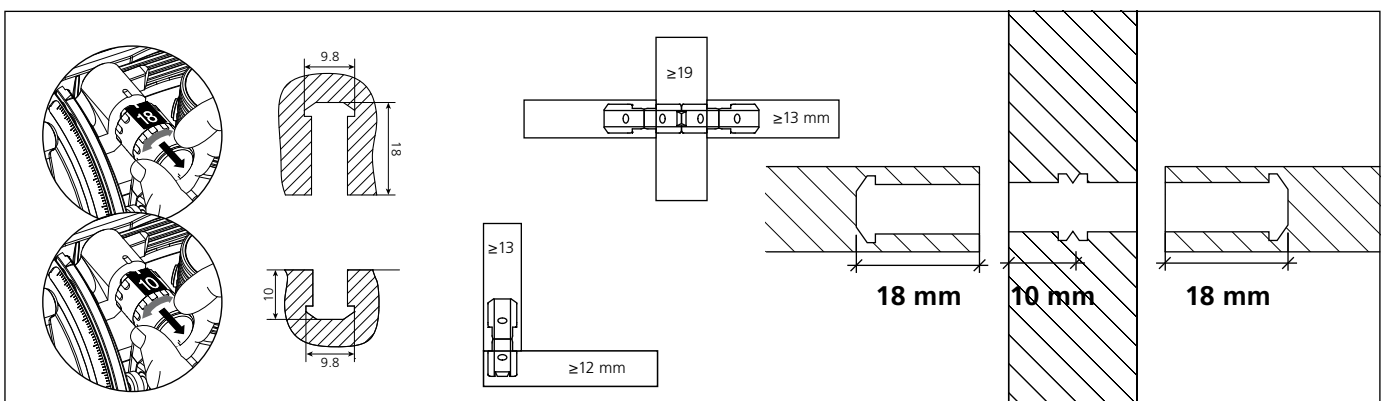
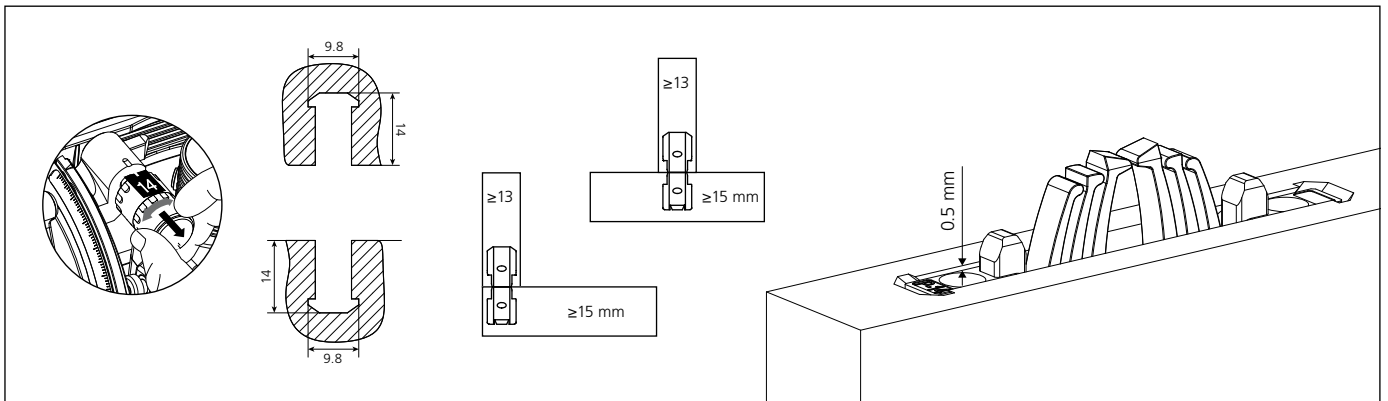
per fitting ~ 150

Tenso P-14

Art.No.

Carton with 80 pairs	145410
Carton with 300 pairs	145420
Carton with 1000 pairs	145431

Accessories can be found from page 90 onwards





Furniture manufacturing / Interior fitting











Your advantages with Tenso P-14

Fast glueing process

- Time saving without clamps and protectors
- Ship workpieces immediately after assembly, no waiting time for the glue to dry

Clamps the joint from the inside

- Clamping force perfectly perpendicular to the glue surface
- Glueing of shaped workpieces
- Simultaneously aligns and clamps

- | | | | |
|---|---------------------|---|--------------------------------------|
|  | Glueing |  | Fast installation |
|  | Invisible |  | Strong and form-locking |
|  | High clamping force |  | Lateral tolerance in P-System groove |
|  | Stackable |  | Shallow cutting depth |
|  | Flexible |  | No twisting |

Applications

furniture | shelves | stools | sideboards | wardrobes | separating walls | cladding | decorative strips | covering panels | plinths | face frames etc.



Shop fitting











Your advantages with Tenso P-14

Stackable with pre-installed fittings

- Advantages in packaging, transport and logistics

Short assembly time on site

- Quick and easy glueing without additional aids
- Minimal installation cost

- | | | | |
|---|---------------------|---|--------------------------------------|
|  | Glueing |  | Fast installation |
|  | Invisible |  | Strong and form-locking |
|  | High clamping force |  | Lateral tolerance in P-System groove |
|  | Stackable |  | Shallow cutting depth |
|  | Flexible |  | No twisting |

Applications

furniture | shelves | stools | sideboards | wardrobes | show cases | sales counters | separating walls | cladding | face frames etc.



P-System fittings

Divario P-18

Self-clamping, invisible fitting for slide insertion



Groove with Zeta P2 / CNC



Cut P-System groove



Insert Divario P-18



Drive in the positioning pin



Drill holes \varnothing 8mm



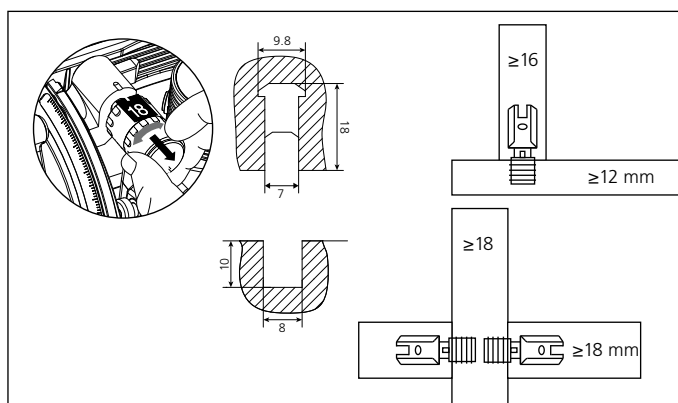
Insert Divario P-18



Insert the shelf



Clamped invisible joint



Advantages and properties

- **Completely invisible joint** for highest quality standards
- **Joins and clamps** during insertion for perfectly closed joints
- **Efficient machining and installation** with a CNC or a Zeta based on the P-System
- Narrow element for the use in **shelves from 19 mm**
- No resistance while inserting until shortly before building the clamping force
- **Insertion of shelves** after transport for lower transport weight

Technical data

Half for P-System groove 65 x 16 x 9.7 mm
 Half for drill holes..... \varnothing 8 x 9 mm, distance 32 mm
 Cutter..... \varnothing 100.4 x 7 x 22
 Material fibreglass reinforced plastic
 Installation tolerance longitudinal \pm 1 mm

Load per fitting (N)

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

Tensile strength (N)

all materials 600

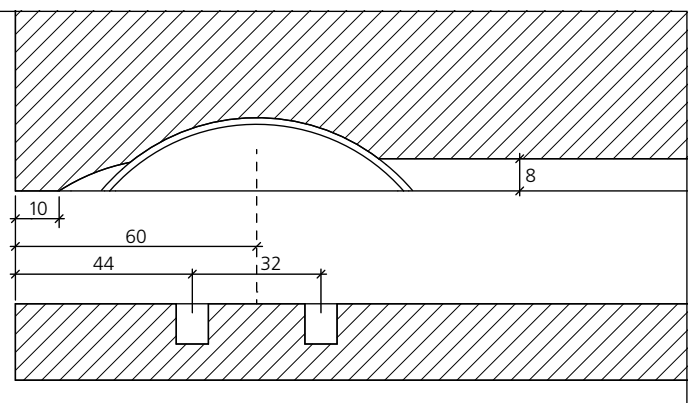
Divario P-18

	Art.No.
Carton with 80 pairs	145550
Carton with 300 pairs	145560
Carton with 1000 pairs	145570

Divario P-18 Installation tool..... **125500**

to insert the fittings and drive the positioning pins into the wood

Accessories can be found from page 90 onwards





Furniture manufacturing / Interior fitting

Your advantages with the Divario P-18

Efficient installation

- Fitting to insert by hand or install by hammer
- Fixing pins to drive into the wood for efficient installation
- Drilling into the surface possible with a CNC machine without angle aggregates (e.g. nesting machines)
- Possible in the factory or on site with a CNC or a Zeta P2

Clamped joints

- Joint with high tensile strength
- Reinforcing tall cupboards with fixed shelves
- perfect look with closed joints
- No clamps or presses necessary

Sliding insertion in a second process

- The outer cabinet can be joined in a first process
- Transport of the empty cabinet to save weight
- Assembly of the complete furniture piece on site possible (flat pack)
- Insertion of the shelves without glue or clamping aids
- Detachable for transport



hülsta, D-48702 Stadthorn

- | | |
|------------------------|---|
| ✓ Sliding insertion | ✓ Fast installation |
| ✓ Invisible | ✓ Strong and form-locking |
| ✓ Clamped joint | ✓ Lateral tolerance in P-System groove |
| ✓ Fast installation | ✓ Shallow cutting depth |
| ✓ Assemble by sliding | ✓ No twisting |

Applications

Cabinets, shelves, open room dividers, wine racks, side boards, cupboards, separating walls, showcases, hanging elements etc.



Zeta P2

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



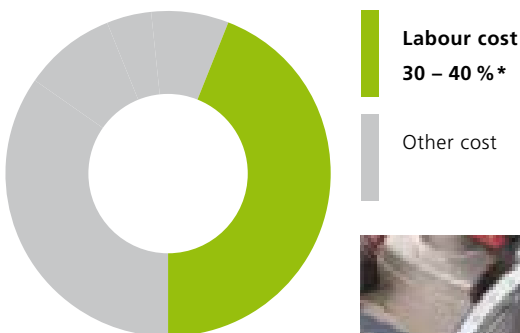
Exceptionally fast joining method with a power tool.
Make any corner joint in less than 2 minutes!



Lamello Zeta P2 is the right investment into your future

Time saving with every groove!

Improve your profit by lowering your labour cost!



*Source: VSSM, Schreinerei-Kennzahlen (Swiss wood working association, economic figures)



Very short setup time for all angles

- **Fast, easy** and **precise** working, with the well-established Lamello principle
- **Same cutting depth for both workpieces**, saves the time for changing the setting and makes mistakes less likely
- **Time saving when installing fittings** due to the innovative profile groove concept which saves labour cost as well as the cost for glue or screws
- **Future time saving** with every new joining element of the P-System family

Advantages in the production process

1. P-groove with Zeta P2



- **Corner joint with 2 connectors in under 2 minutes**
- **Short setup time**
- **No side stops necessary, line up to the work piece edge or to the pencil mark**

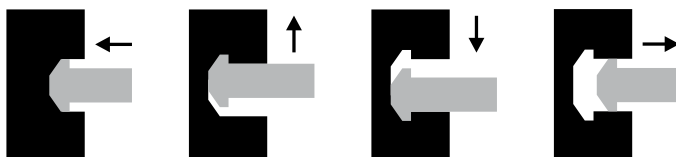
2. Storage



- **Small storage volume due to stacking despite installed connector**
- Take out the connector for surface treatment – fast and easy



Vertical mechanical drive (VMD)



Exterior flush mitre joints



Unique features

Profile groove function

The vertical mechanical drive (VMD) is the core of the machine and the key to the P-System, the new joining system with profile

During the cutting process the VMD moves the cutter up and down **automatically** for the profile cut.

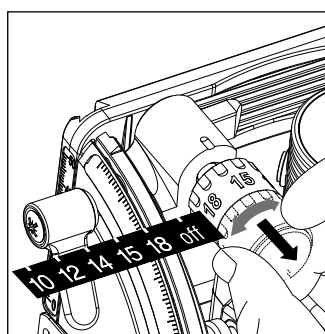
- **Fast ~ 1 second**
- **User-friendly**
 - triggers the **vertical movement automatically**
 - **optical VMD control**
- **Safe process** using reliable, mechanical low-wear technology
- **Switch off the VMD** to use the machine as a standard biscuit joiner enabling 20 more applications (see page 44)

Technical data

Power	800 W
Voltage	230 V
Speed	9'000 min ⁻¹
Cutter.....	Carbide tipped profile groove cutter Diamond tipped profile groove cutter Ø 100 x 7 x 22 mm
Teeth	Z3
Cutting depth max.....	20 mm
Weight.....	3.7 kg

Rotatable depth adjuster for P-System depths

- **Depth 18** for Divario P-18
- **Depth 14** for Tenso P-14, Clamex P-14 and Clamex P Medius (larger side), Bisco P-14
- **Depth 10** for Clamex P-10 and Clamex P Medius (smaller side), Bisco P-10
- **Depth «off»** for groove millings without profile groove = for standard biscuit joiner



Zeta P2-Set

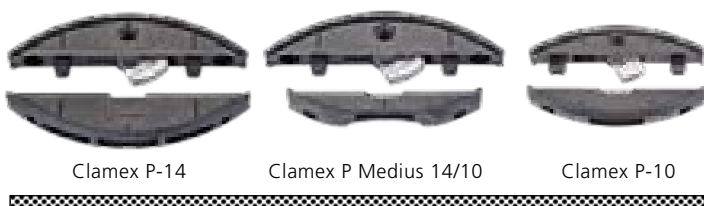
Art.No.

- with carbide tipped profile groove cutter **101402**
- with diamond tipped profile groove cutter..... **101402D**

Kit contains

- Zeta P2 with 800 W motor
- P-System cutter 7 mm
- Stop square
- Suction stub 23 mm
- Suction stub 36 mm
- Spacer 4 mm
- Spacer 2 mm
- Tools
- P-System drill jig incl. drill
- P-System angle disk

Accessories can be found from page 90 onwards



3. Delivery: in parts

- **Smaller transport volume** without damaging the work pieces
- Easy transport of the parts into the building (stairs, elevator)



4. Assembly on site

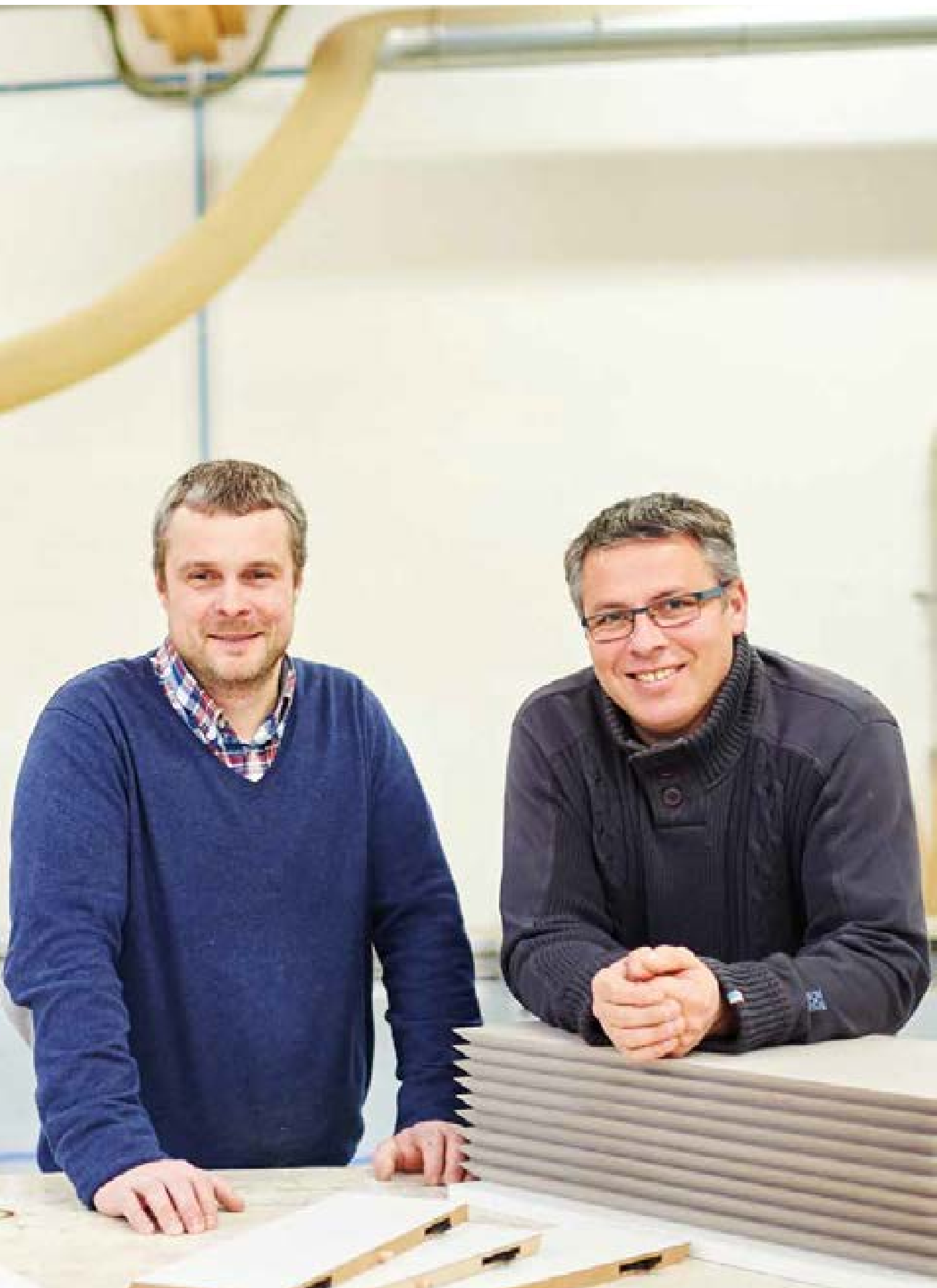
- **Fast and efficient assembly** with an allen key
- **No waiting time after clamping the glue joint**

P-System CNC

«With the P-System on our CNC machine we achieve a significant increase in productivity daily.»

from left to right: Nicolas Rassinfosse and Pierre Vereecken, directors of Modul 3 in Gembloux, Belgium





Joining with the **P-System** **CNC technology**



CNC partners

Design and production software, aggregates, cutting tools and CNC machining – these companies assist you with the efficient manufacturing with the P-System:

Partners for CNC-technology



Partners for aggregates



Partners for software

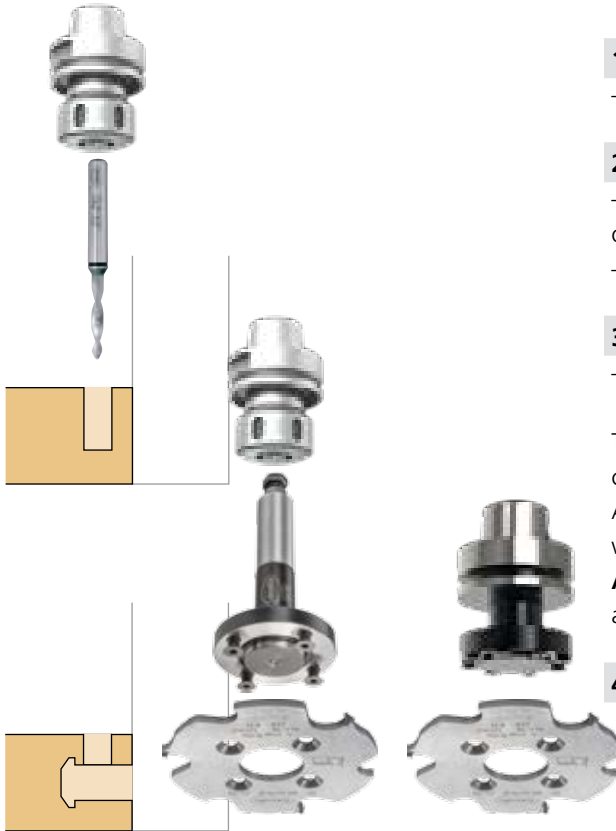
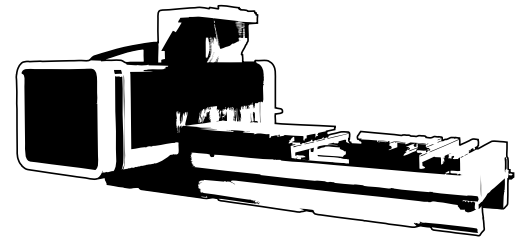


Partners for tooling



CNC machines

What setup do I need if I want to create P-System grooves with my CNC machine?



1. CNC machine

- Machine with 3/4/5 axes + angle aggregate

2. CNC software

- Purchase software/macro/component from the manufacturer or
- Program the macro yourself

3. Suitable angle aggregate

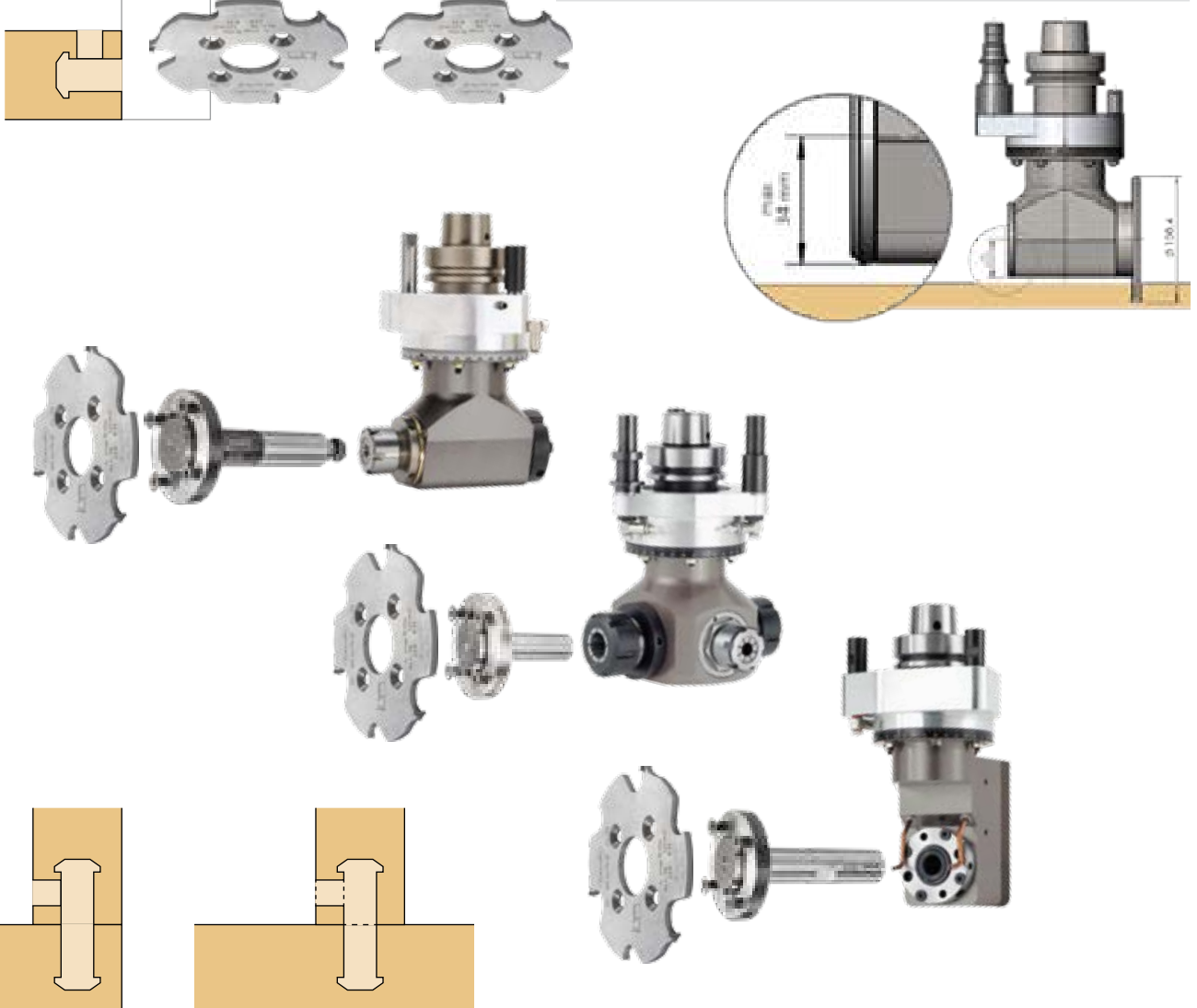
- Aggregate sub program

The angle aggregate also enables the P-System groove to be cut in the centre of the surface

An overview of other aggregates is available on our website: www.lamello.com

Attention: Get the approval to use the P-System cutter on the aggregate from the CNC manufacturer

4. P-System cutting tool



P-System CNC drill bit



P-System CNC drill bit	Art.No.
6 mm, solid carbide, for mitres, L = 100/35 mm, shaft = 10	131556

P-System CNC groove cutter



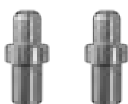
P-System CNC groove cutter, Ø 100.4 x 7	Art.No.
× 30 mm, 4 / 6.6 / DTK 48 mm, Z3	132142
× 30 mm, 4 / 6.6 / DTK 48 mm, Z6	132145
* Suitable for all cutter arbors listed below	
× 40 mm, 4 / 5.5 / DTK 52 mm, Z3	132143
E.g. for angle aggregates, Flex 5, Flex 5+	
× 16 mm, 4 / 5.5 / DTK 28 mm, Z3	132144
E.g. for corner notching aggregate	

* P-System CNC cutter arbors



P-System CNC cutter arbor 30 / DTK 48 mm	Art.No.
Shaft Ø 20 × 50, L = 102 mm	132150
Shaft Ø 25 × 60, L = 102 mm	132151
Shaft Ø 16 × 50, L = 85 mm	132152
Shaft Ø 16 × 55, L = 68 mm	132153
Shaft Ø 16 × 50, L = 85 mm, with clamping surface (2°- angle)	132154
E.g. for aggregate for door locks	
Shaft Ø 20 × 50, L = 85 mm, with clamping surface (2°- angle)	132155
E.g. for aggregate for door locks	

Possible combination of CNC machines and Zeta P2



Positioning pins for Zeta P2	Art.No.
Ø 5 mm, 1 pair	251048
Ø 8 mm, 1 pair	251066

Instead of using an angle aggregate, the Zeta P2 power tool can be used to cut the P-System groove in the centre of the surface. To do so, drill two 5 mm positioning holes spaced at 101 mm in the work piece surface using the CNC machine. These are required to align the Zeta P2 on the work piece.

More on page 36

Requirements for CNC machines:

- Either the macro and component software for the desired angle are provided or you have programmed these yourself
- Aggregate sub program is available

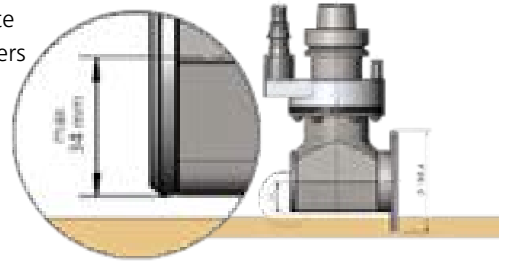
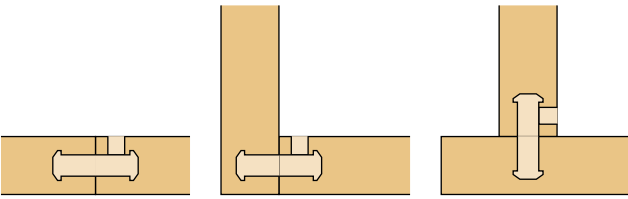
Machine with 3 axes

+ 1 P-System cutter



Machine with 3 axes

+ Angle aggregate
+ 2 P-System cutters

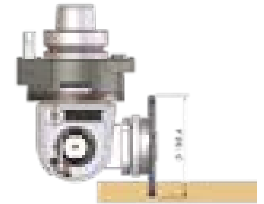
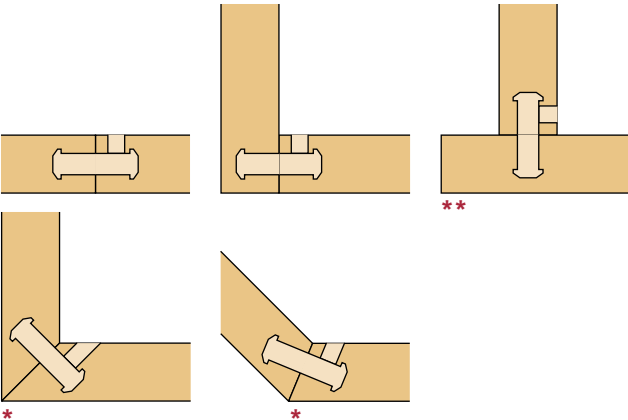


Machine with 3 axes/4 axes

+ Manually adjustable swivelling aggregate
+ 1 P-System cutter

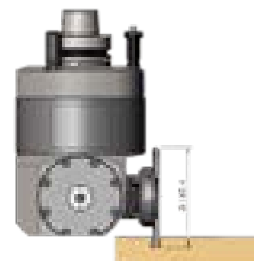
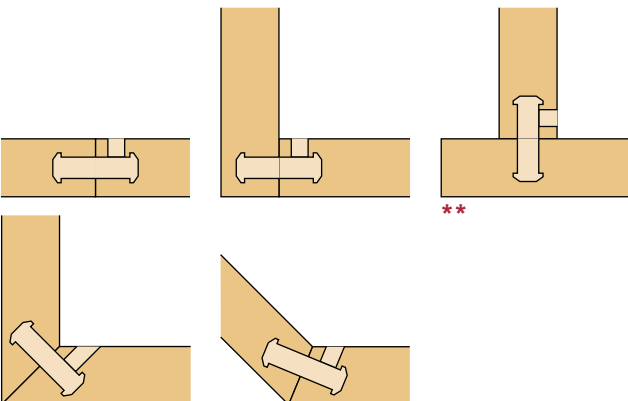
* Several tool changes required for angle cuts, drilling and P-System grooves
Tip: drilling can be performed using a manual drill jig

** Depending on the brand and model, it may not be possible to process the centre of the surface without an additional angle aggregate



Machine with 3 axes/4 axes

+ Automatically adjustable swivelling aggregate with tool changer
+ 1 P-System cutter



Advantages in the production process

1. P-System groove with CNC



- Same profile groove for both work pieces
- Short process time
- Less processing than for other connection methods
- Direct data transfer from CAD CAM

2. Storage



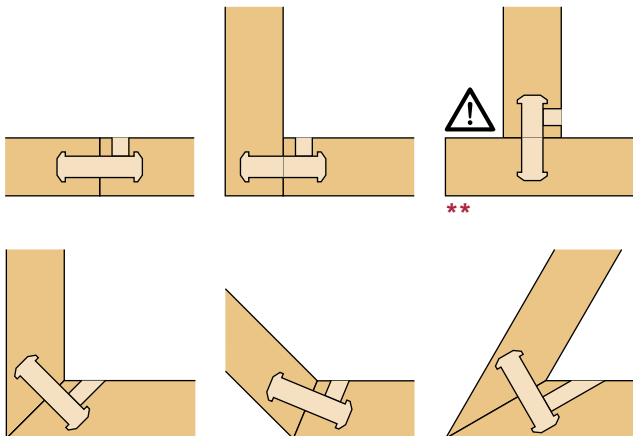
- Small storage volume due to stacking despite installed connector
- Shorter reaction time for the continuation of the next process

For more information, visit: www.lamello.com/p-system-cnc

Machine with 5 axes

+ 1 P-System cutter

** Depending on the brand and model, it may not be possible to process the centre of the surface without an additional angle aggregate

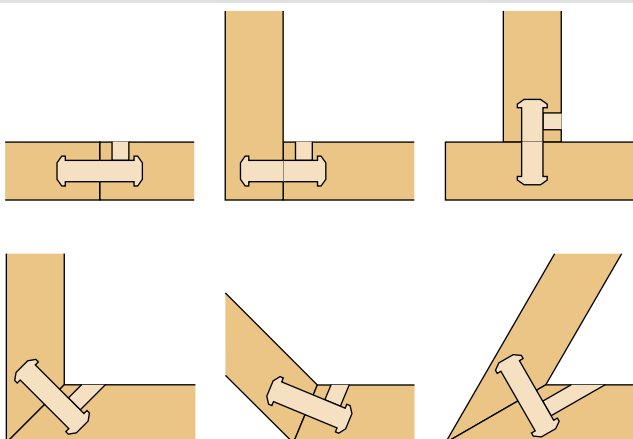


Machine with 5 axes

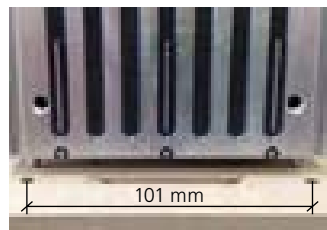
+ Angle aggregate

E.g. Corner notching aggregate
Aggregate for door locks

+ 2 P-System cutters



Positioning pins for Zeta P2
Art.No. 251048 (see page 36)



Tip: Instead of using an angle aggregate, the Zeta P2 power tool can be used to cut the P-System groove in the centre of the surface. To do so, drill two 5 mm positioning holes spaced at 101 mm in the work piece surface using the CNC machine. These are required to align the Zeta P2 on the work piece more on page 36

3. Delivery: in parts

- **Smaller transport volume** without damaging the parts
- Easy transport of the parts into the building (stairs, elevator)



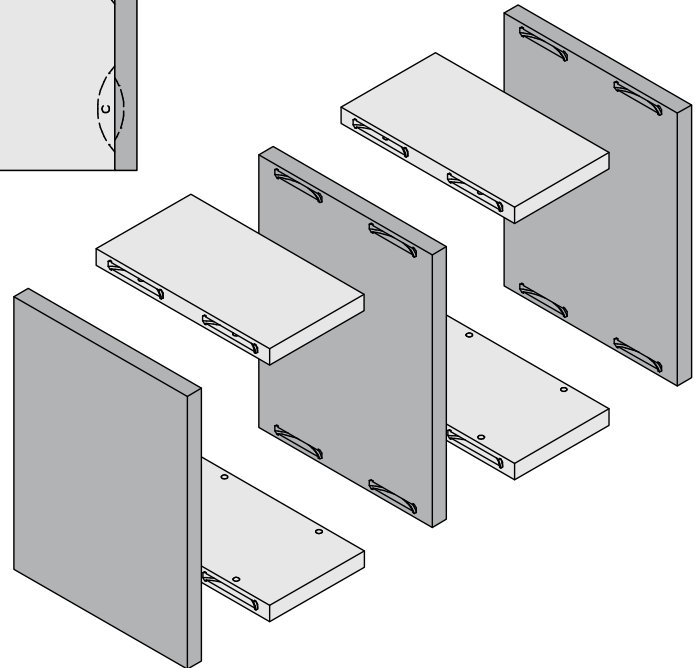
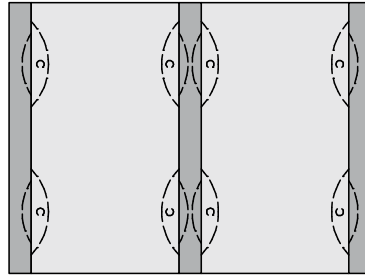
4. Assembly on site

1. **Easy assembly by customer possible**
 2. **Assembly by sales personnel or tradesman**
- **Shorter assembly time on site**

Ideas for standardising the machining on a CNC machine

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

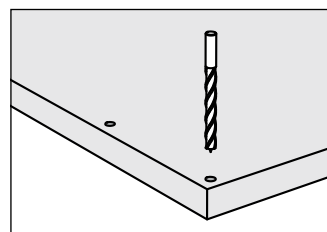
Depth 14 mm for all P-System grooves **in the edge**



	Art.No.
Clamex P-14, element with the lever	
box with 2'000 pcs	145338
Clamex P-10, element without lever	
box with 2'000 pcs	145358
Clamex P-10, element Medius	
box with 2'000 pcs	145369

Ideal combination of CNC machines and Zeta P2

Positioning drill holes on a CNC



Combining strengths: Precise drilling on a CNC machine; use these drill holes to position the Zeta P2 to cut the P-System grooves.

This application is especially ideal for nesting machines, when the cost for an additional aggregate can't be justified or the machine cannot be upgraded anymore.

This method combines the precision and efficiency of a CNC machine and uses the simple and fast machining of a P-System groove with a Zeta P2.



Positioning pin Zeta P2	Art.No.
ø 5 mm	251048
ø 8 mm	251066

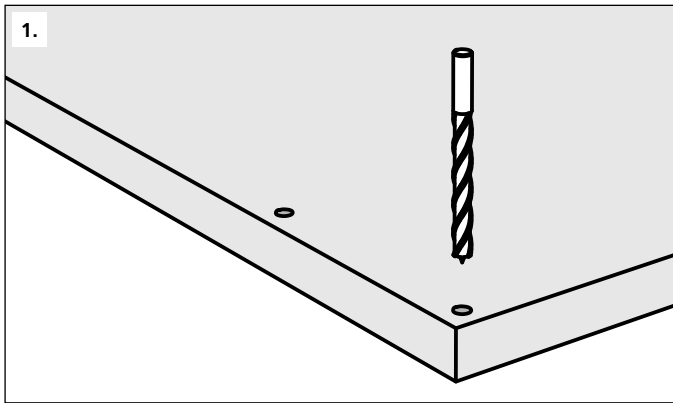
Advantages and properties

- Save time and money!
- Short setup time with a Zeta P2
- No specific angle aggregates, software or CNC tools necessary
- Precise positioning for center panels

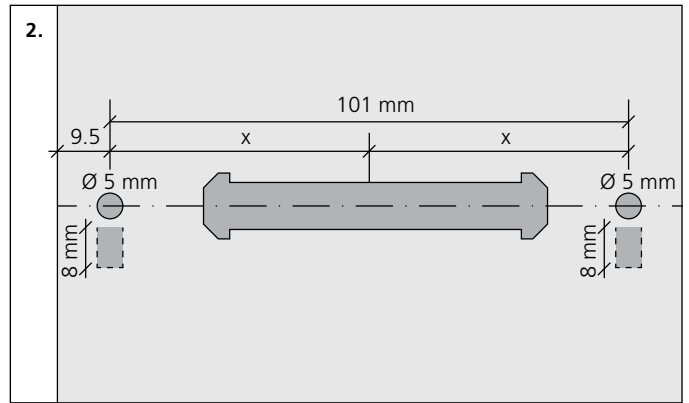


Positioning clip for Zeta P2	Art.No.
ø 5 mm	251067
For positioning in the Clamex access hole (5mm)	
available from autumn 2015	

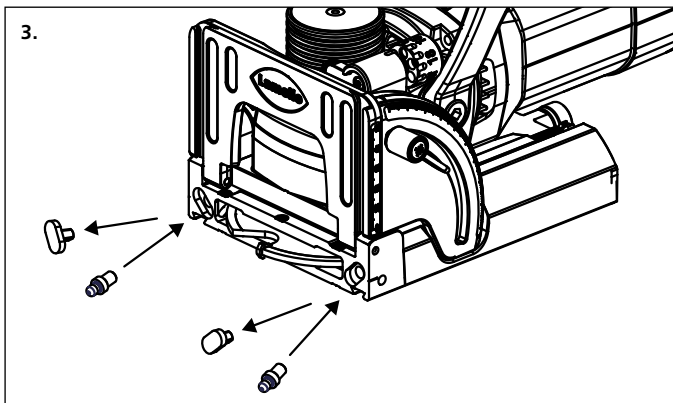
Cutting the groove in the surface



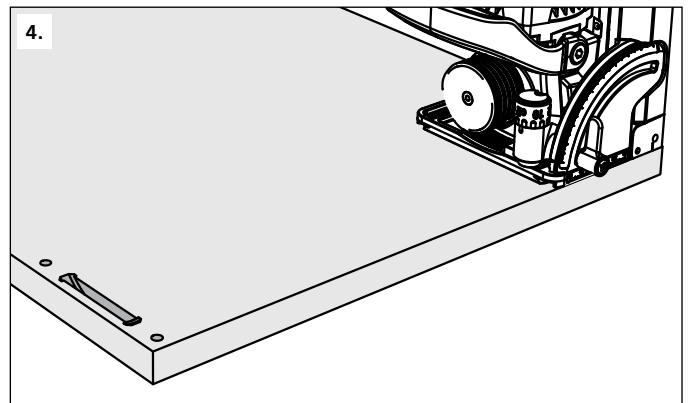
Drill the positioning holes with the CNC, $\varnothing 5 \text{ mm}$ / $\varnothing 8 \text{ mm}$



Hole pattern of the positioning drill holes

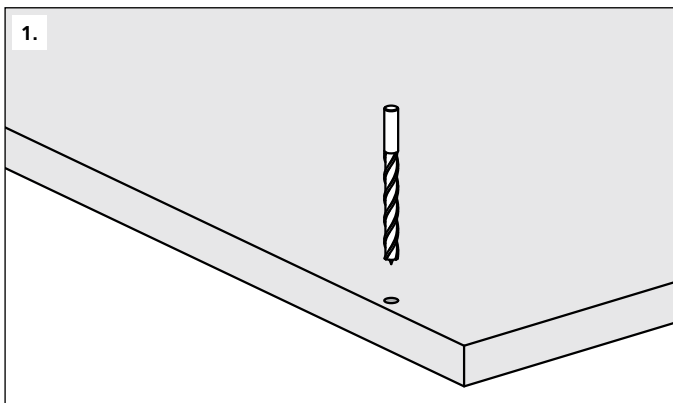


Insert the positioning pins in the Zeta P2

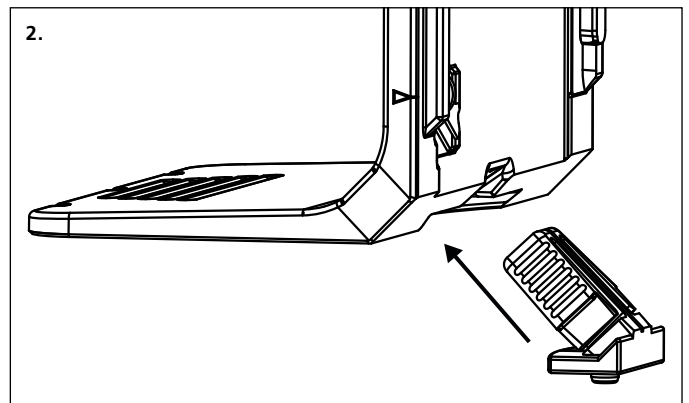


Position the machine in the drill holes

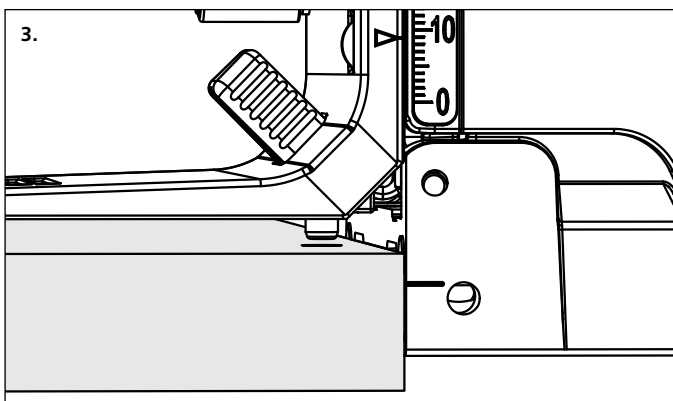
Cutting the groove in the edge



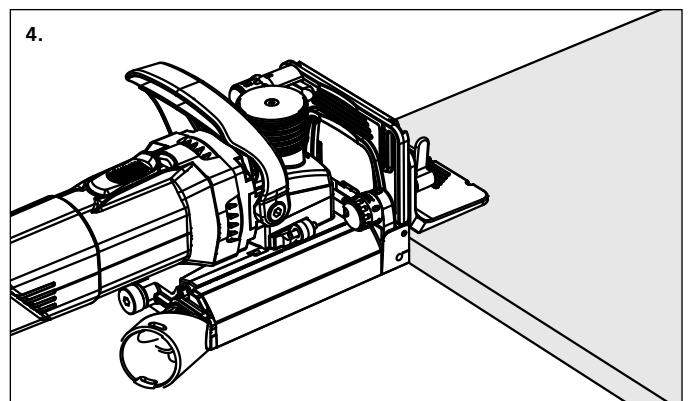
Drill the positioning hole with the CNC, $\varnothing 5 \text{ mm}$



Insert the positioning clip



Insert the positioning clip in the drill hole $\varnothing 5 \text{ mm}$



Cut the groove with the positioned machine

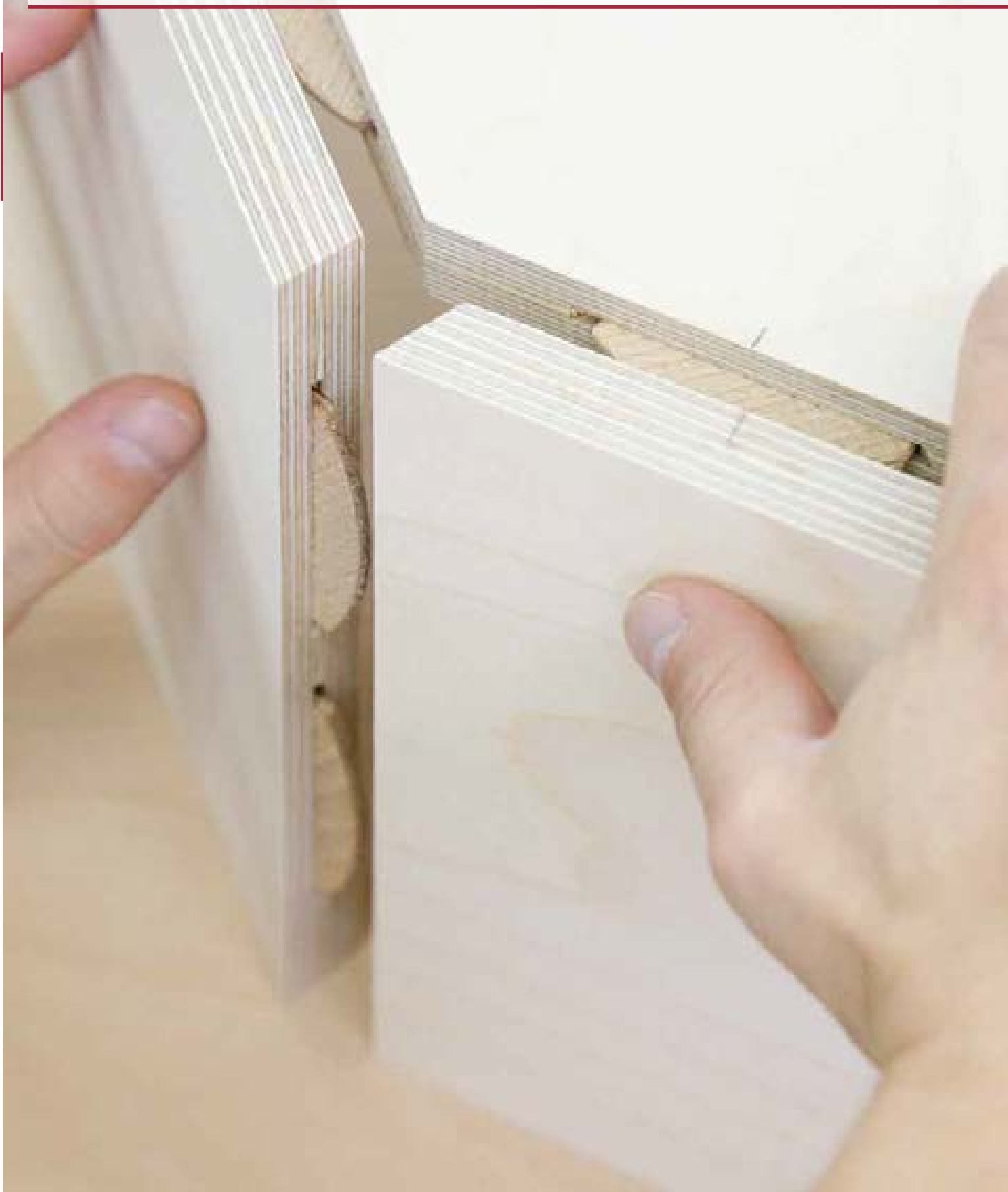
Lamello-System

«The Lamello original wood biscuits are simple to use, precise and ingenious!»

from left to right: Ivan Gehrig, production foreman and Daniel Hofer, market specialist and junior manager of Stöcklin kitchens, Switzerland



Joining with the **Lamello System**



An exceptionally efficient, simple and precise joining system for panels

How it works



1. Cut grooves



2. Apply glue



3. Insert biscuits

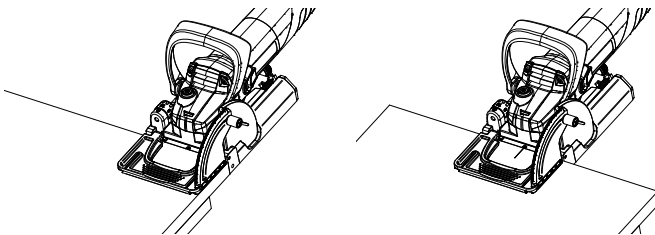


4. Clamp work piece

The precise work results of the system and the long life of the power tools pay off

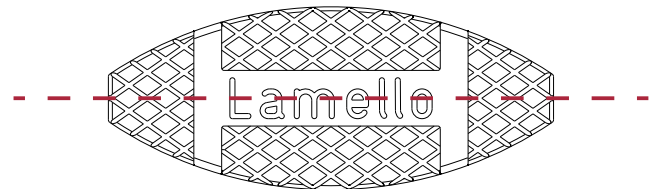
Advantages and properties

Fast – Lateral sliding tolerance



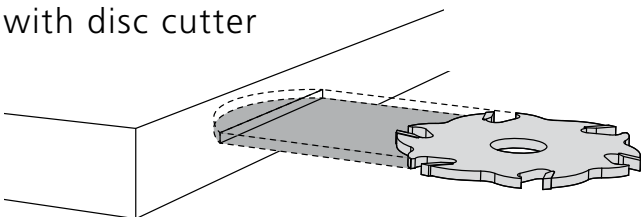
- **Easy positioning** of the machine to the pencil mark
- **No additional side stops or positioning aids necessary**
- **Great flexibility** when assembling, possibility to join panels by sliding together from different angles – not just perpendicular unlike dowels (see large picture left)

Easy – Same groove depth for both sides



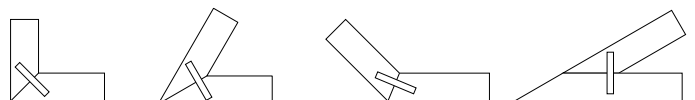
- No changing of the cutting depth means **less room for error**
- **Saves time** with every joint

Precise – Established cutting principle with disc cutter



- **Disc-shaped tools cannot bend or flex**
- **Always parallel, precise grooves** – despite wood knots or fast working
- **No tool change** for 13 different joining elements
- **Low maintenance cost** throughout the long life of the power tool, maintenance comprises **one cutting tool only**

Versatile – Thin flat joining element with minimal installation depth



- **Join thin work pieces** 8 or 10 mm in many various angles
- **Minimal material weakening**
- **Non-rotating, cost effective** joining elements

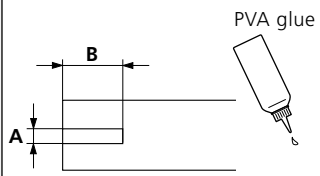
Lamello joining technology – Lamello System

Matching machines: Classic X, Top 21

Lamello-System

Original wooden Lamello biscuits

p. 48



PVA glue

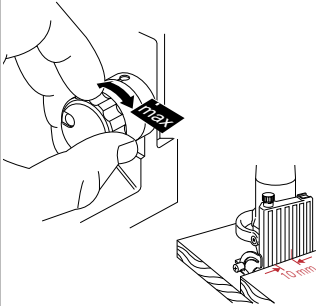


	S6	20	10	0	H9
A	4	4	4	4	3
B	20	12.3	10	8	7



S6

S6: 85 × 30 × 4 mm

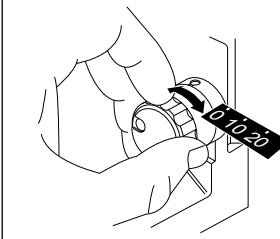
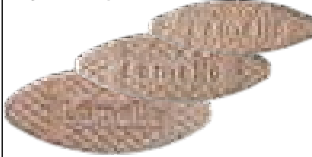


20, 10, 0

20: 56 × 23 × 4 mm

10: 53 × 19 × 4 mm

0: 47 × 15 × 4 mm

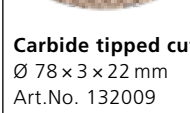


H9

H9: 38 × 12 × 3 mm

H9: 38 × 12 × 3 mm

H9: 38 × 12 × 3 mm



Carbide tipped cutter:

Ø 78 × 3 × 22 mm

Art.No. 132009

C10 / C20 Biscuit for solid surface

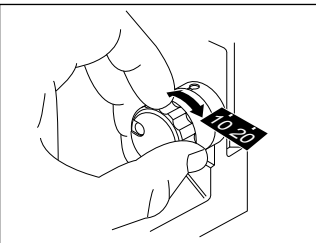
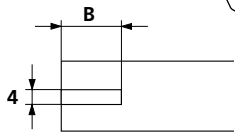
C20: 60 × 23 × 4 mm

p. 53

C10: 53 × 19 × 4 mm

Corian glue

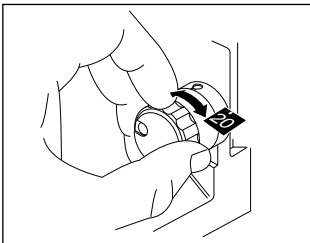
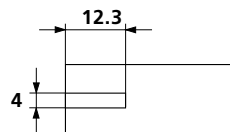
	C20	C10
B	12.3	10



K20 Clamping element

60 × 24 × 4.5 mm

p. 52

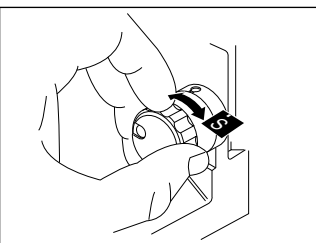
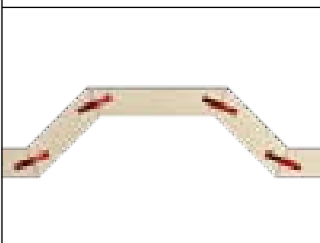
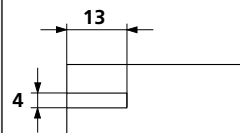
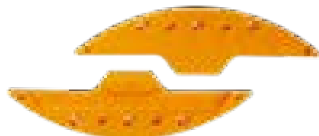


Champ Slide-in connector

64 × 26 × 4 mm

p. 52

PUR glue

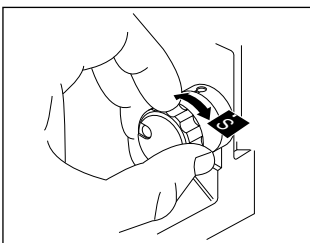
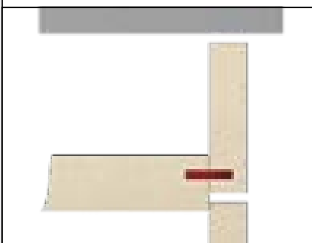
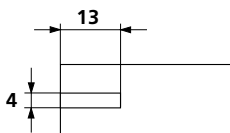


Simplex Detachable slide-in connector

54 × 23 × 4 mm

p. 53

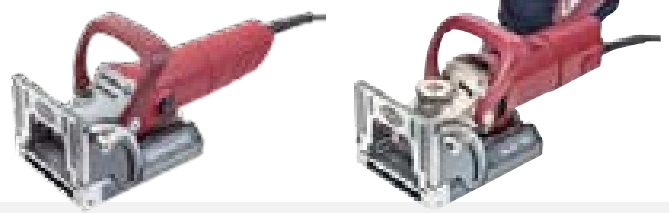
PUR glue



Invisible connections



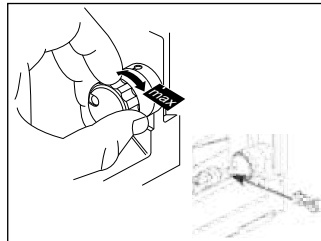
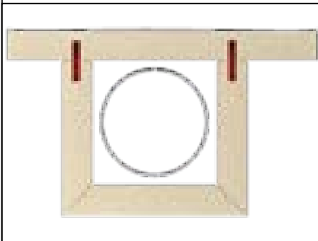
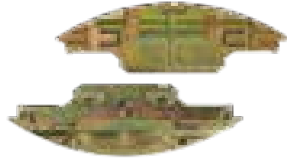
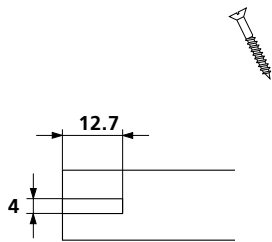
Standard carbide tipped cutter:
 Ø 100 × 4 × 22 mm /
 Art.No. 132000 / 132106



Metal Detachable slide-in connector

57.2 × 25.4 × 4 mm

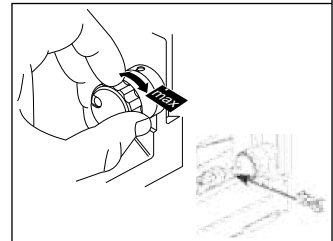
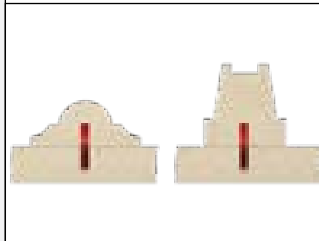
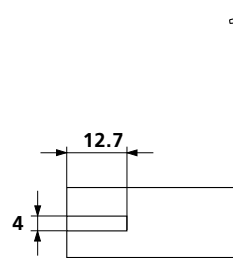
p. 52



Fast Clip-in connector

56 × 25.4 × 4 mm

p. 52

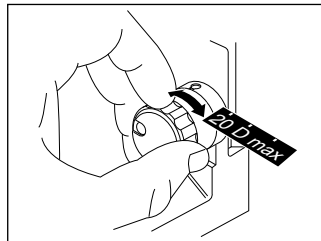
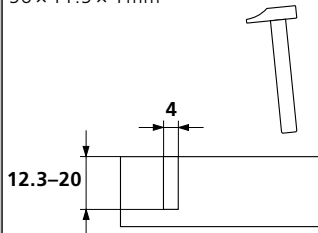


E20 Self-clamping element

p. 51

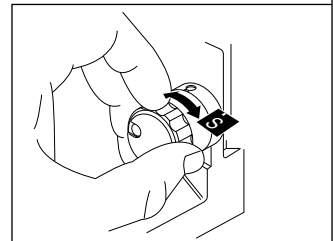
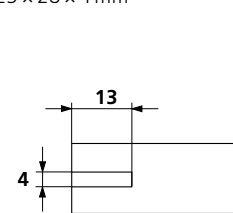
E20L

56 × 11.5 × 4 mm



E20H

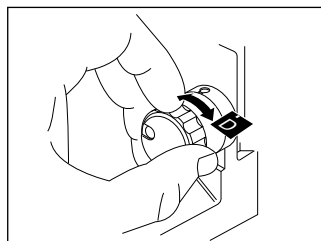
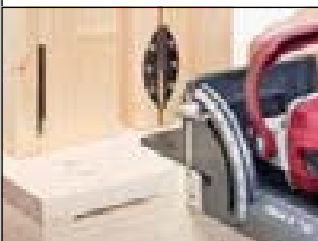
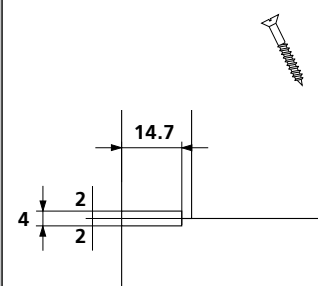
23 × 28 × 4 mm



Duplex Furniture hinge

66 × 29 × 4 mm

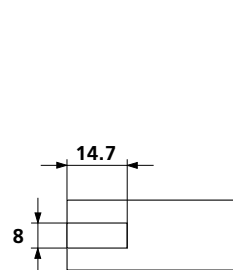
p. 53



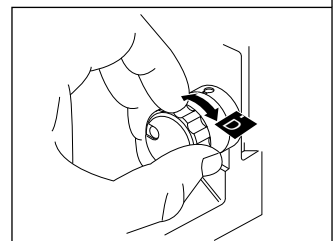
Clamex S Connector with screw insertion

66 × 29 × 8 mm

p. 50



Carbide tipped cutter with reversible blades:
 Ø 100 × 8 × 22 mm
 Art.No. 132108



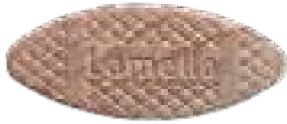
Versatile application with 16 joining elements ...



Only one tool for 14* different joining elements
– **without tool change**

Lamello-System

Original wooden biscuits
20*



E20-L*

Self-clamping element



10*



E20-H*

Self-clamping element



0*

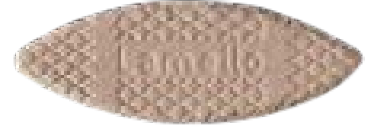


K20*

Clamping element



The large wooden Lamello biscuit S6*



Duplex*

Furniture hinge



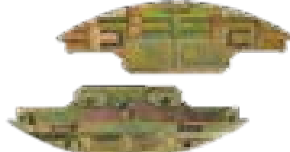
Simplex*

Slide-in connector to be glued with PUR glue



Metal*

Detachable slide-in connector with screw insertion



C20*

Solid surface element



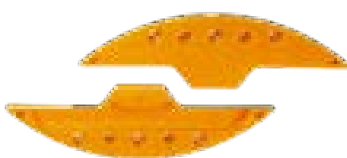
C10*

Solid surface element



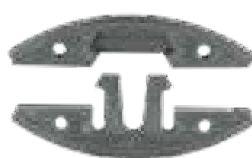
Champ*

Slide-in connector to be glued with PUR glue



Fast*

Detachable clip-in connector with self-cutting edges



Clamex S-18

Detachable connector with screw insertion
Cutter with reversible carbide blades 8 mm



The small wooden Lamello biscuits H9

Carbide tipped cutter 3 mm



... and 4 additional applications



Cut grooves

Cut grooves for tongue and groove connections, Standard carbide-tipped groove cutter 4 mm



Wood repairs

Repairing of resin pockets and small defects, Carbide tipped cutter for Minispot patches size 2



Cut expansion gaps

Expansion gaps for wood ceilings or floors, Sliding shoe and carbide-tipped saw blade



Trimming

Trimming of solid wood or plastic edges, Edge trimming unit Nova and carbide-tipped saw blade

Original Lamello biscuit joiners

These properties make the difference

Multifunctional stop square included in the kit

Both sides flush surfaces on baseplate, swivelling front and stop square for efficient positioning of the biscuit joiner on the work piece's outer edge



Vertical stability by attaching to the baseplate to increase the surface



Perfect precision of mitres by applying on the outer surface for 22.5 and 45° angles



Variable positioning of the groove from the application surface 0–50 mm

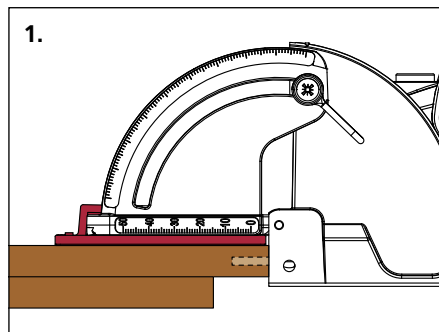
Swivelling front with fixed rotational point

Exactly the same distance from both sides to the cutter = 8 mm

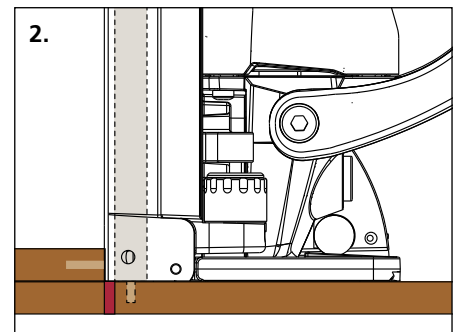
Allows alternating the application surface from the swivelling front **1.** to the baseplate **2.**, especially important when cutting thin dividing panel connections



- **Safe process** guarantees always precise, parallel grooves
- **No inaccuracies or source of mistakes** because the height cannot be adjusted



Application with the swivelling front
With the 4 mm spacer for 12 mm dividing panel (groove in the centre)



Application with the baseplate
The dividing panel (moved by 4 mm) serves as application surface

High-precision machined application surfaces



– **CNC machined high-precision application surfaces** for exact application on the work piece



– **Long-life precision guide** provides exact, parallel grooves for perfect fit of the work pieces

Classic X

The original biscuit joiner for every workshop. Choose Lamello for precision, reliability, longevity and many other benefits



Lamello-System



Swivelling front and base plate are flush



Central lock

Versatile applications



Joint with biscuits



Joint with Clamex S



Groove for Duplex-hinges



Advantages and properties

- Powerful 780 W, ergonomic slim shape
- Base plate is flush on both sides for efficient positioning of the machine on the work piece
- High-precision machined guide and application surfaces for perfect fit of the work pieces (see p 45)
- Multifunctional stop square (see p 45)
- Versatile use, with the possibility for 19 more applications (see p 42 – 43)
- Swivelling front stop 0–90° catching at 22.5°, 45°, 67.5°, 90°
- Rotating depth adjuster with 6 standard depths

Technical data

Power	780 W
Voltage	230 V oder 120 V
Speed	10'000 min ⁻¹
Cutter	Carbide tipped cutter Ø 100 x 4 x 22
Teeth	Z6 (3+3) with reversing teeth
Cutting depth max.	20 mm
Weight	3.1 kg

Classic X	Art.No.
in wooden case	101600
in systainer	101600S
in carton	101600K

Kit contains

Classic X with:	– stop square
– carbide tipped cutter	– spacer 4 mm
– suction stub 36 mm	– set of tools

Accessories can be found from page 90 onwards

Top 21

The original biscuit joiner with height adjustable blade from the inventor of biscuit joiners. Choose Lamello for precision, reliability, longevity and many additional applications



Unique features

1. Height adjustable cutter

SMS: Step Memory System

- Scale +/- 2 mm in steps of 0.1 mm (total 4 mm)
- Adjust groove position to exact **center of the work-piece** (material thickness 8 – 24 mm)
- Easy joining of laterally **off-set workpieces**
- Double cut 2 x 4 mm **for Lamello Clamex S**
- **Expansion gaps** (adjustable from 8 to 12 mm) adjustable in steps of 0.1 mm
- Individual positioning of the groove

2. New baseplate

- Base plate, swivelling front stop and stop square are flush on both sides – **for efficient positioning of the machine on the edge of the workpiece**
- New multifunctional stop square with smooth running, precise guidance – **for quick, exact setting of the groove position**

3. Precision cutter

with 4 scoring teeth and hub

4. Including dust bag

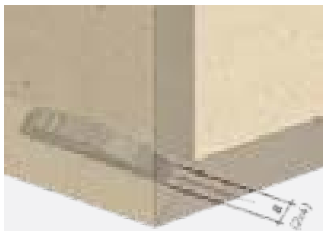
and adapter Ø 36 mm



Adjust groove to middle



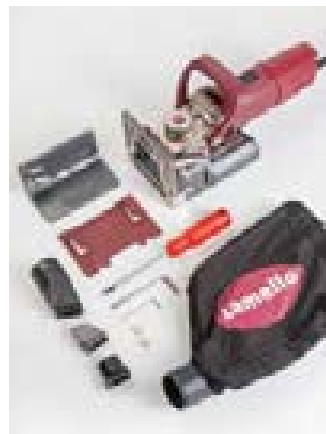
Off-set work pieces



Double cut for Clamex S

Technical data

Power	800 W
Voltage	230 V or 120 V
Speed	9'000 min-1
Cutter	Carbide tipped cutter with hub Ø 100 x 4 x 22 mm
Teeth	Z2 + V4 with scoring teeth
Cutting depth max.....	20 mm
Weight.....	3.5 kg



Top 21

Art.No.

in wooden case.....	101500
in systainer.....	101500S
in wooden case with carbide reversing blade cutter ..	101500WS

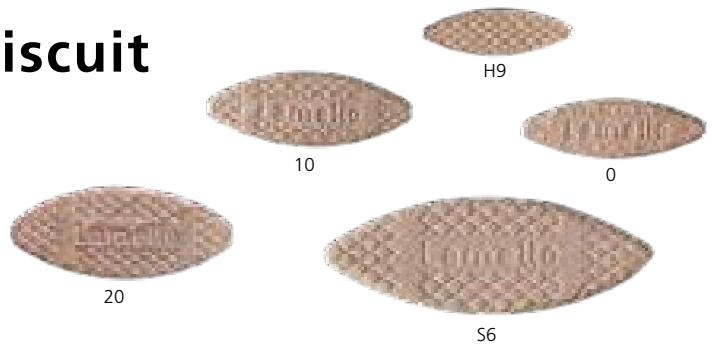
Kit contains

Top 21 with:	– spacer 4 mm
– carbide tipped cutter	– extractor stub 36 mm
– suction stub 23 mm	– dust bag
– stop square	– set of tools

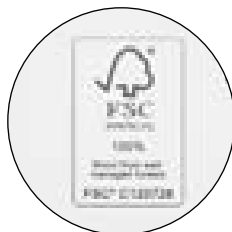
Accessories can be found from page 90 onwards

The original wooden biscuit

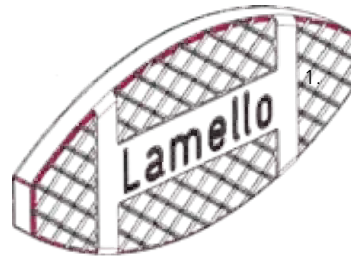
The Original
Swiss production
Swiss timber
Lamello quality



© Logo for genuine Swiss timber
Lignum-70-0003

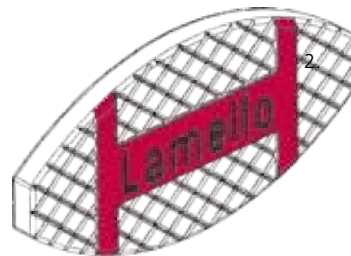


Advantages and properties



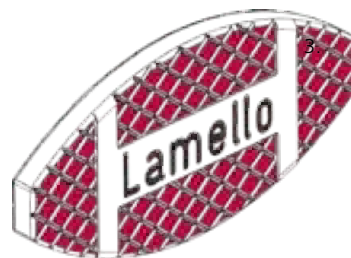
1. Rounded smooth edges

- Easy handling and insertion



2. Raised guide rails

- Perfect fit into groove
- Low resistance while inserting



3. Recessed & embossed glue surface

- Accurate glue distribution
- Easy insertion into groove

Diagonal fiber orientation

- Excellent breaking strength

Wood biscuits

carton	Size	Quantity	Art.No.
Size 20.....	56 x 23 x 4 mm	1000 pieces	144020
Size 10.....	53 x 19 x 4 mm	1000 pieces	144010
Size 0.....	47 x 15 x 4 mm	1000 pieces	144000
Size S6.....	85 x 30 x 4 mm	1000 pieces	144006
Size H9	38 x 12 x 3 mm	1000 pieces	144009
Size 20, 10, 0.....	assorted	1000 pieces	144030
		(500, 250, 250)	
Size 20, 10, 0.....	assorted	400 pieces	144032
		(240, 80, 80)	

Wood biscuits

blister	Size	Quantity	Art.No.
Size 20.....	56 x 23 x 4 mm	80 pieces	144520
Size 10.....	53 x 19 x 4 mm	80 pieces	144510
Size 0.....	47 x 15 x 4 mm	80 pieces	144500
Size S6.....	85 x 30 x 4 mm	40 pieces	144506
Size H9	38 x 12 x 3 mm	250 pieces	144509

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

Glueing

Minicol / Servicol

The all purpose glue applicator

Advantages and properties

- For 4 mm grooves
- Nozzle facing downwards in the stand for quick use
- Bottle base prevents the glue from drying up in the nozzle
- Volumetric capacity: 300 ml
- Glue application on the sides



175500

Minicol: glue applicator with a sturdy bottle base in solid wood



175560

Servicol: glue applicator with a simple base

Dosicol

The efficient glue applicator with metering pump

Advantages and properties

- One stroke glue application
- The volume is easily adjusted by the metering ring
- Accurate dispensing, optimal for biscuit and dowel joints
- Available in 3 different models
- Volumetric capacity: 450 ml (4.5 dl)



177000

Clamping Set

Advantages and properties

- Easy clamping system for gluing case work, drawers, frames, wall and floor panels
- Even pressure distribution guarantees correct angle of workpiece

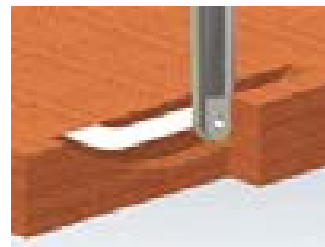
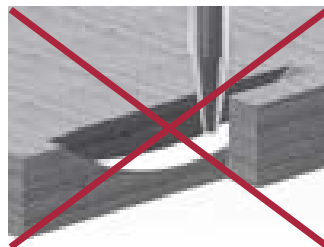


175020



Parts

Parts	Quantity	Art.No.
Clamps.....	2 pieces.....	5 m clamping belt 175005 8 m clamping belt 175008
Buckle for clamps	1 piece	without belt..... 175060
Polyester belt for clamps	1 Rolle.....	of 50 m 175050 Per meterm ¹ 335000
Tension hooks	2 pieces.....	175200
Profile sections	4 pieces	length 12 cm 175401 length 40 cm 175402 length 60 cm 175403



Glue application on the sides

Glue applicator Minicol

Art.No.

Minicol Mod. KSwith plastic nozzle..... **175500**

Minicol Mod. Mwith metal nozzle..... **175550**

Glue applicator Servicol

Art.No.

Servicol Mod. KSwith plastic nozzle..... **175560**

Servicol Mod. Mwith metal nozzle..... **175570**

Servicol Mod. Xwith pointed nozzle **175580**



Nozzles for Minicol and Servicol

Art.No.

plastic nozzle **335511**

metal nozzle **285512**

pointed nozzle **335522**

metal nozzle for biscuits size H9 **285509**

Glue applicator Dosicol

Size

Art.No.

Mod. 20, for Lamello grooves..... 20 and 10 **177000**

Mod. 2, for Minispot..... 2 and 22 **177002**

Mod. D, for dowel holes..... Ø 8, 10, 12 mm..... **177007**

Nozzles for Dosicol

Size

Art.No.

for Lamello grooves..... 20 and 10 **287020**

for Minispot recesses..... 2 and 22 **287022**

4 **287024**

for dowel holes..... Ø 8, 10, 12 mm..... **287027**

Clamping Set

Art.No.

20 cm 1 piece of clamps **175021**

8 m belt

4 pieces profile sections 20 cm

60 cm 2 pieces of clamps..... **175020**

2 pieces 8 m belt

4 pieces profile sections 60 cm

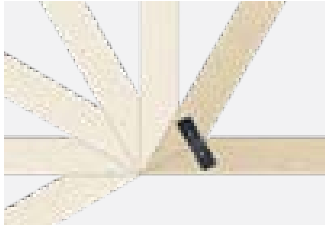
2 pieces tension hooks

Clamex S connector

For aesthetic constructions. Demountable, flexible and easy. Installation in an 8mm groove with screws



Lamello-System



Flexible



Stackable

Advantages and properties

- Detachable connections
- Aligns and connects, 2 functions in one
- Aesthetic joint due to the small hole for opening and closing
- Safe from twisting due to the aligning studs
- Flexible mitres in all angles
- Stackable, since no parts protrude from the surface, so ideal for flat packing
- Easy installation with any Lamello biscuit joiner



Aesthetic



Detachable

Applications of Clamex S

- Detachable furniture joints
- Surface, corner and dividing wall connections
- All angles
- Frame connections
- Dividing walls
- Glue aid



Technical data

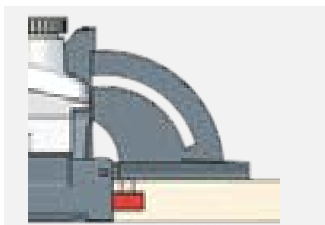
Size.....	66 x 29 x 8 mm
Cutter.....	Ø 100 x 8 x 22
Material of connector.....	fibreglass reinforced plastic
Material of lever.....	zinc die cast
Installation tolerance.....	longitudinal ± 1.0 mm (max. ± 1.25 mm)

Clamex S-18	Art.No.
18 pairs	145231
80 pairs	145236
300 pairs	145241
1000 pairs	145251

Accessories can be found from page 90 onwards

How it works

Clamex S installation with cutter Ø 100 x 8 x 22 mm (Art.No.132108)



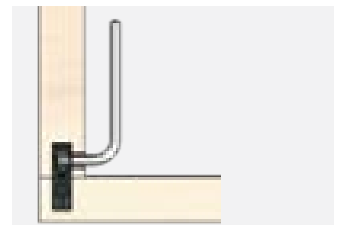
1. Cut groove, 8 mm



2. Drill hole 6 mm



3. Screw in the Clamex S



4. Connect, finished!

E20

The self-clamping element



E20-H



E20-L



Inserting E20-L

Advantages and properties

- **Connects and clamps** with one strike. The curved ridges clamp the connection together during insertion.
- Cut groove in both work pieces **simultaneously**
- **No clamps** – no waiting time
- Easy joining with a Lamello biscuit joiner

Applications of E20

- Door frames
- Furniture plinths
- Elongating of panels and profiles
- Ideal on site

Technical data

Size E20-L	56 x 11.5 x 4 mm
Size E20-H	23 x 28 x 4 mm
Cutter	Ø 100 x 4 x 22
Material	Fibreglass reinforced plastic



Inserting E20-H



Inserting E20-L

E20	Quantity	Art.No.
E20-H	80 pieces	145021
	400 pieces	145026
	1200 pieces	145028
E20-L	80 pieces	145022
	400 pieces	145025
	1200 pieces	145027
E20-L / E20-H	40 pieces per type	145020

How it works

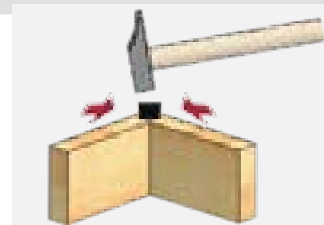
E20-H



1. Cut groove



2. Apply glue

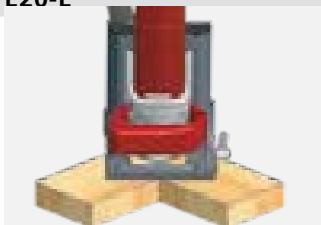


3. Insert E20-H

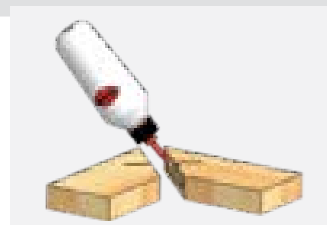


4. Finished!

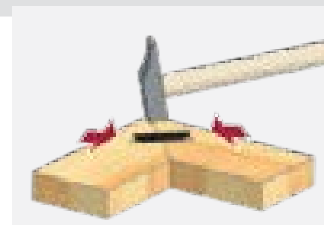
E20-L



1. Cut groove



2. Apply glue



3. Insert E20-L



4. Finished!

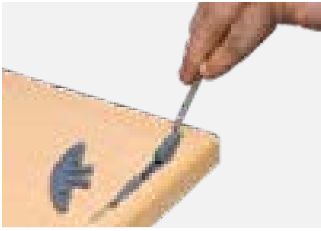


Fast

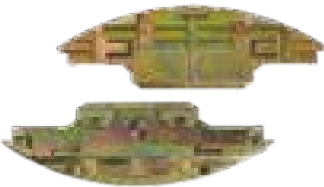
Detachable clip-in connector with self-cutting edges

Advantages and properties

- For workpieces such as covers, blinds or profiles **to clip-in**
 - Fast installation, no waiting time before continuing
 - Clip-in and detachable, **without lateral movement** (sliding)
- With installation tool and clip for cutting depth



Cutter	Size (mm)	Quantity	Art.No.
Ø 100 x 4 x 22	56 x 12.7 x 4	50 pair	145120



Metal

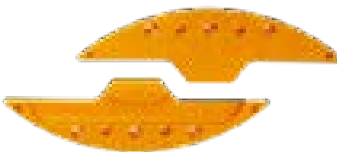
Heavy duty detachable slide-in connector with screw insertion

Advantages and properties

- For **detachable constructions** such as shelves, covers or as glueing aid
 - With **integrated stop** for blocking one side if required
 - **Adjustable joint pressure** due to screws
- Fast installation, no waiting time before continuing the work
- With 83 screws of each size 3 x 13 and 3 x 25, clip for cutting depth



Cutter	Size (mm)	Quantity	Art.No.
Ø 100 x 4 x 22	57.2 x 12.7 x 4	40 pair	145115



Champ

Slide-in connector to be glued with PUR glue

Advantages and properties

- **Glueing aid** for furniture when assembling mitres and corners
 - **Glue work pieces** with various shapes **without clamps**
- Ideal for wood and all wood composites
- With installation template



Cutter	Size (mm)	Quantity	Art.No.
Ø 100 x 4 x 22	64 x 13 x 4	50 pair	145110

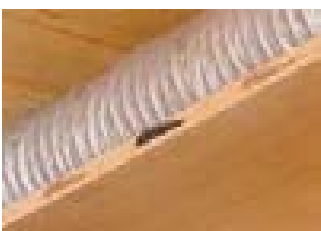


K20

Clamping element

Advantages and properties

- Clamping aid for work pieces which are difficult to clamp, e.g. screens, crown moulding etc.
- Use in combination with wooden Lamello biscuits.
- Made of plastic, barbed cross ribs for grip.



Cutter	Size (mm)	Quantity	Art.No.
Ø 100 x 4 x 22	60 x 24 x 4.5	80 pieces	145001
		250 pieces	145000



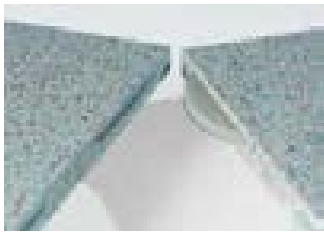
C20 / C10

Solid surface element

Advantages and properties

For joining solid surface materials such as Corian®, Varicor® etc. Made of translucent plastic

Cutter	Size (mm)	Quantity	Art.No.
C20Ø 100 x 4 x 22	60 x 23 x 4	250 pieces	145010
C10Ø 100 x 4 x 22	53 x 19 x 4	300 pieces	145012



Simplex

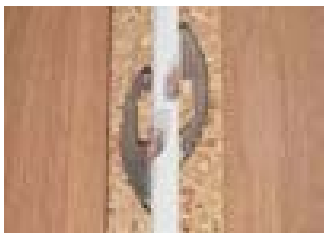
Detachable slide-in connector

Advantages and properties

Detachable, two part connector for ceiling panels, screens, shelves and general casegoods.

Install with insertion tool and two-part epoxy adhesive.

Made of aluminum



Cutter	Size (mm)	Quantity	Art.No.
Ø 100 x 4 x 22	54 x 23 x 4.1	50 pair	166101
		100 pair	166100
Inserting tool for Simplex (For accurate positioning of Simplex)			166110



Duplex

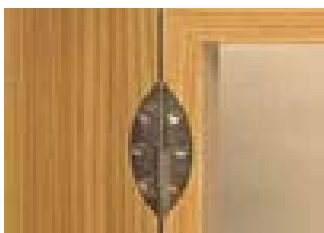
Furniture hinge

Advantages and properties

Aesthetic detachable hinges in two pieces.

Easy cutting with the biscuit joiner.

Material: nickel plated



Cutter	Version	Quantity	Art.No.
Ø 100 x 4 x 22	left	20 pieces	166011
	right	20 pieces	166012
	left and right	10 pieces each	166013

Invis Mx2

«I am impressed with the strength of this invisible connection. Even after we have repeatedly opened and closed the joint.»

Walter Fankhauser, Production Manager at Röthlisberger, Gohl Branch, in Emmental, Switzerland



Joining with the **Invis Mx2 System**



Magnet-driven connections with an even higher clamping force!

Invisible as if glued, versatile as if screwed!



60% higher clamping force
250 kg clamping force per connector
Even more applications

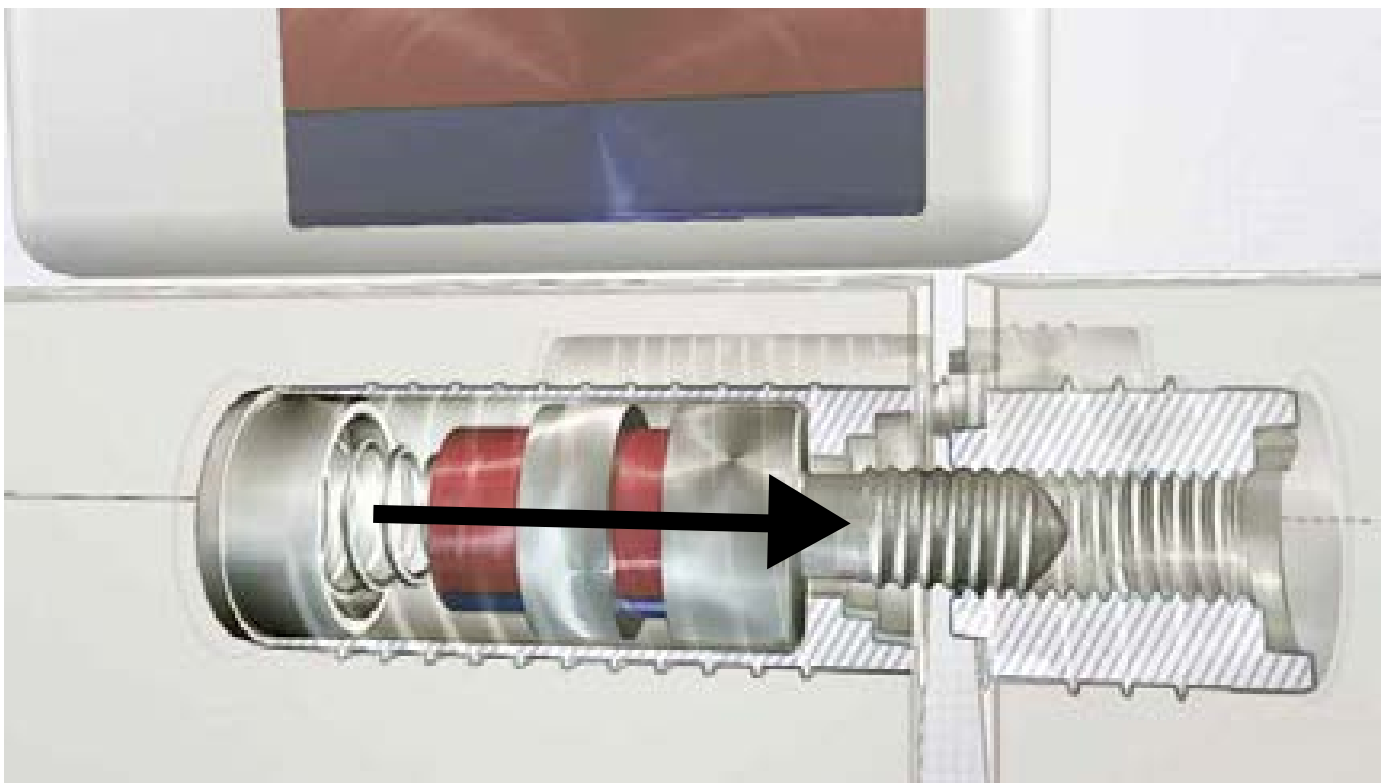
Invis MX2-System

Powerful mechanical connections

Detachable within seconds

Completely invisible

No openings | no protective caps | no filler | **a perfect look!**



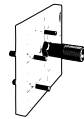
The MiniMag Mx2 drive opens or closes the connection
The speed of the cordless drill must be 1200-1500 rpm

Invis Mx2

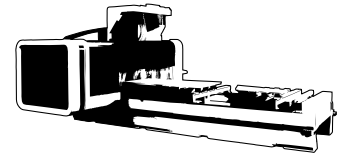
The unique invisible connection for highest demands on aesthetics, stability and productivity



Drill the hole for the Invis Mx2 connector with ...



... the Rasto drill jig or a CNC machine



Fast and easy installation

Save time!



1.

1. Screw the connector into the pre-drilled hole



2.

2. Screw in the stud vertically using the insertion jig



3.

3. Join and clamp the connection using MiniMag Mx2



4.

4. If desired, open the connection by reversing the rotation of the cordless drill



Invis Mx2 Starter Kit



MiniMag Mx2 Kit



Invis Mx2 connector set with 14 mm stud



Invis Mx2 connector set with 30 mm stud



14 mm stud



35 mm Invis Mx2 connector



30 mm stud



Centre-wall stud for a wall thickness of 10-30 mm

Kits	Art.No.
Invis Mx2 Starter Kit (in systainer)	6100300
– MiniMagMx2	
– 20 Invis Mx2 connector sets with 14 mm stud	
– Rasto drill jig with 12 mm drill bit, depth adjuster, bushing	
– Screw bit	
– Flexible shaft	
– Insertion jig	
MiniMag Mx2 Kit (in cardboard box)	6100301
MiniMag Mx2, screw bit	

Invis Mx2 connector set	Quantity	Art.No.
with 14 mm stud	20 pieces	6012300
with 30 mm stud	20 pieces	6012301
with 14mm stud incl. insertion jig	20 pieces	6012333
35 mm Invis Mx2 connector	20 pieces	6012317
14 mm stud	20 pieces	6012312
30 mm stud	20 pieces	6012309
Centre-wall stud for 10-30 mm thickness	10 pieces	6012208
Screw bit	1 piece	6112205
Flexible shaft for MiniMagMx2	1 piece	6100204
Invis Mx2 insertion jig for studs 14mm	1 piece	6112333

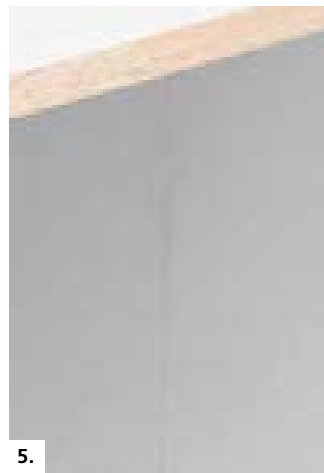
Clamp

1. Clamp **high-gloss painted furniture** without causing damage
2. Easily connect and clamp **moulded parts**
3. Prepare **stairs and handrails** in the workshop and connect them quickly on-site



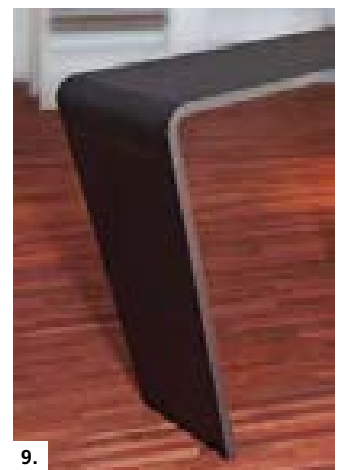
Invisible

4. Install **wall elements** without any visible fasteners
5. Connect and plaster **substructures** without needing to fill holes
6. Join **separation walls** without screw clamps



Detachable

7. Deliver **large furniture items** in parts and assemble them on-site in next to no time
8. Join **table legs** without visible fasteners and unscrew them again if necessary
9. Quickly assemble and dismantle **trade fair stands**

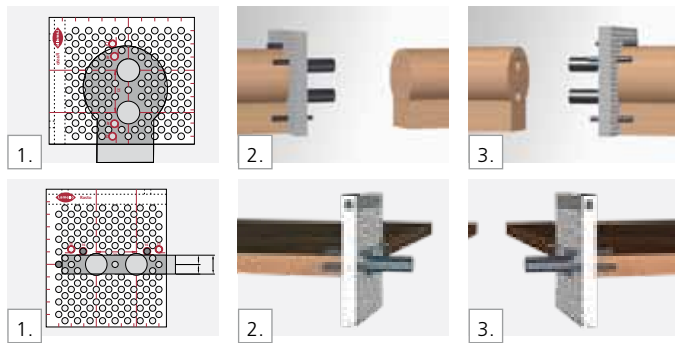


Rasto

The drill jig allows for precise drilling without measuring or marking into any workpiece shape. It is ideal for Invis Mx and many other applications



Invis Mx2-System



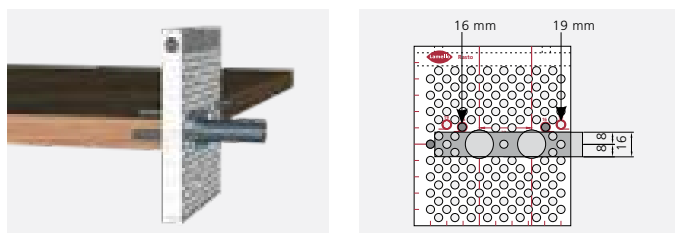
How Rasto works

Drill precise and efficient holes without measuring or marking into any shape!

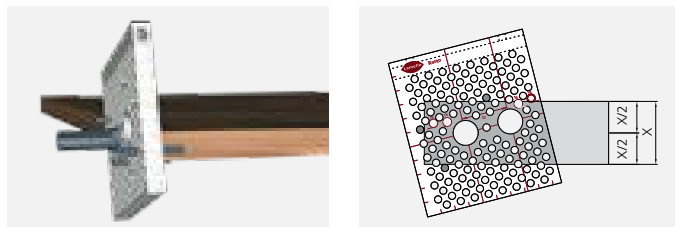
The Rasto concept uses positioning pins as stops instead of measuring the hole position. The holes always align perfectly because the position of the pins is not changed when drilling the second workpiece. The transparency allows for easy set up on the work piece or aligning to a pencil mark. Due to its approximately 180 positioning holes Rasto can be used for nearly any shape, thickness or size.

Advantages and properties

- Fast and precise holes
- Drill holes into all workpiece shapes
- Drill without measuring or marking
- Handles and 32mm hole rows
- Ideal for exact drilling of holes for Invis Mx elements and studs



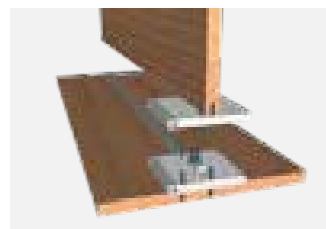
Holes in the centre of 16 and 19 mm panels



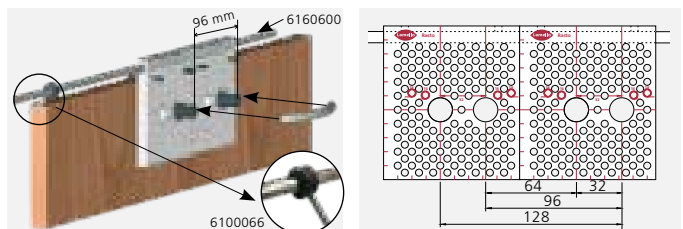
Holes in the centre of any workpiece thickness



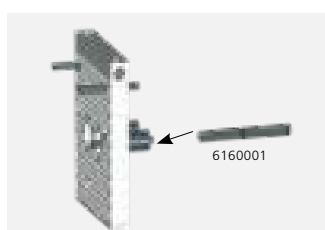
Mitre connections



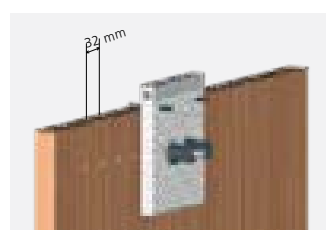
Dividing wall connections



Furniture handle holes and 32 mm hole rows

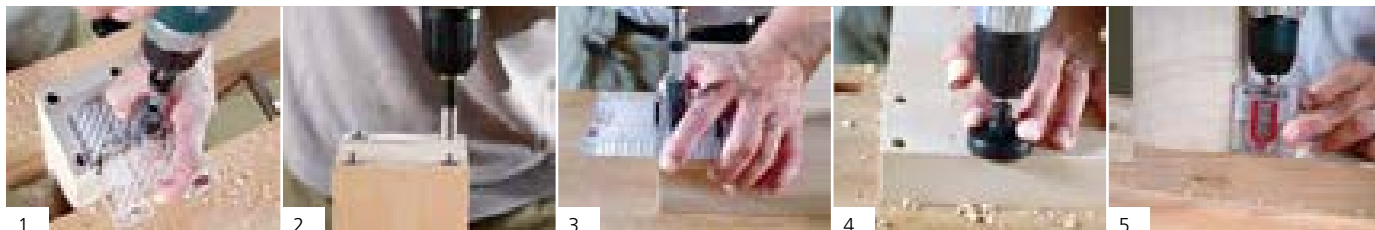


32 mm hole rows by referencing from the last hole



8 mm or 12 mm hole rows by referencing from the last hole

Tables



1. Position the pins and drill the table leg

2. Screw in the connectors

3. Drill the table top using the same pin position

4. Screw in the studs

5. Connect using MiniMag Mx2

Handrails



1. Position the pins and drill the handrail

2. Screw in the connectors

3. Drill the opposite side using the same pin position

4. Screw in the studs

5. Connect using MiniMag Mx2



Basic



Mono



Duo



Applications of Rasto

- Kitchen bench tops
- Hand rails
- Corner connections
- All shapes and profiles
- Mitre connections
- Furniture
- Stairs
- Dividing wall connections
- Surface connections

Rasto

Art.No.

Basic Kit **126005**

In a cardboard box: 1 transparent perforated plate, 4 drill bushings Ø 5, 8, 10, 12 mm, 3 positioning bolts, 1 fastening screw

Mono Kit **126001**

In a systainer: 1 transparent perforated plate, 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

Duo Kit **126002**

In a systainer: 2 transparent perforated plates, 8 drill bushings 2x 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

Accessories

Art.No.

Perforated plate for Rasto drill jig **6160000**

Bolt Ø 5 x 40 for Rasto drill jig **6160001**

Drill bush for Rasto drill jig:

Ø 5 mm **6100065**

Ø 6 mm **6100056**

Ø 8 mm **6100057**

Ø 10 mm **6100067**

Ø 12 mm **6100058**

Depth adjuster for drill bit for Rasto drill jig:

Ø 5 mm **6100059**

Ø 6 mm **6100063**

Ø 8 mm **6100060**

Ø 10 mm **6100064**

Ø 12 mm **6100061**

Art.No.

Wood drill bit with centring tip for Rasto drill jig:

Ø 5 mm **6100160**

Ø 6 mm **6106161**

Ø 8 mm **6108060**

Ø 10 mm **6110162**

Ø 12 mm **6112060**

500 mm connection rod, two-part **6160601**

Fastening screw **6560450**

Invis Mx2 spacer for Rasto **6112331**

Invis Mx2 insertion bush for studs 14mm **6112330**

Joining with the **Glueing System**

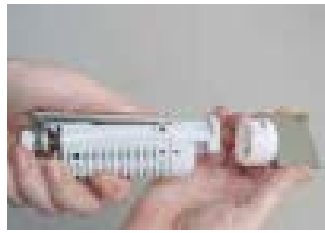


An ingenious glueing system for strong joining: economical, ready to use, modularly expandible

How it works



1. Equipment ready



2. Attach required nozzle



3. Apply glue



4. Clean nozzle

Advantages and properties

Dosage



«Simply apply the desired amount»
Optimise glue application: precisely set the
ideal quantity.



Exact



«Exactly where I want it»
Improve quality: precisely apply in the correct
position, optimise joint strength



Efficient



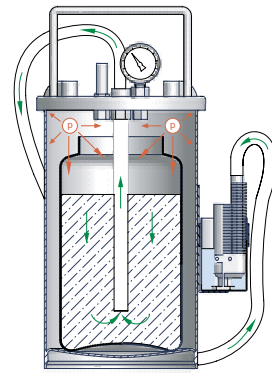
«As fast as possible»
Save time: apply efficiently with the correct
nozzle, minimise cleaning requirement



Glue applicators

LK 3, LK 5, LK 10

Glue applicator for water soluble glues



Nozzles for grooves



Nozzles for surfaces



Pointed nozzle



Nozzles for edges



Kit



LK 3



LK 5



LK 10

Advantages and properties

- **Stainless steel pressure tank** guarantees a long service life
- **Minimal cleaning required** due to the user-friendly design (only the pistol's ends and nozzles)
- **One single pressurisation** suffices to expel the entire 10, 5 or 3 kg capacity (even after an extended time period)
- **Complete and ready to use** with standard equipment
- **Modularly expandible**

Technical data

Size.....	LK 3	Ø 210 x 220 mm
	LK 5	Ø 210 x 340 mm
	LK 10	Ø 285 x 410 mm
Capacity	LK 3	3 kg
	LK 5	5 kg
	LK 10	10 kg
Operating pressure.....		1–5 bar

Typ

Typ	Art.No.
LK 3.....	502003
LK 5.....	502005
LK 10.....	502010

Kit contains

Stainless steel pressure tank with:
inner plastic glue container, water container for glue pistol,
hose Ø 10 mm, length 4 m, glue pistol LK 0, pointed nozzle,
pump hose, manual

Accessories can be found from page 90 onwards

Glue pistols

LK 0, LK 100

Glue pistols for various applications



LK 100 pneumatic



LK 0 manual

Advantages and properties

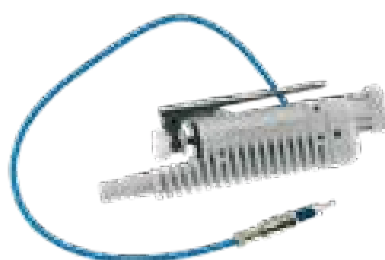
- Glue quantity steplessly dosable
- Drip free and easy to clean
- Bayonet coupling for speedy nozzle changing
- Easy to service

Version	Application	Art.No.
LK 0.....	for manual operation	512200
LK 100.....	for pneumatic external operation.....	512210

Accessories can be found from page 90 onwards



LK 0



LK 100

Glue nozzles

Lamello glue nozzles are anodised, coating them with a hard surface, 3/100 mm thick



Advantages and properties

- Resistance to wear
- Smooth gliding surface
- Surfaces **easy to clean**
- Speedy nozzle changes are made possible with the Bayonet coupling



for edges

	Size	Art.No.
Brush	40 mm	512404
	60 mm	512406
Adjustable nozzle	10–22 mm	512422
	23–42 mm	512442
	40–62 mm	512462
Adjustable edge roller	10–46 mm	512446
Pointed nozzle		512451
Round nozzle	5/4 x 30 mm.....	512454
Adjustable guide	0–25 mm for pointed / round nozzle.....	512425



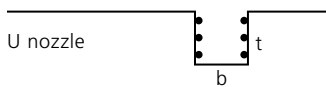
Glueing System

for grooves



513010

	Size w x d	Art.No.
U nozzle glue outlets in the groove	4 x 5 mm	513010
	4 x 8 mm	513011





for surfaces

	Size	Art.No.
Surface roller	180 mm with rubber roller.....	512602
Replacement roller	width 180 mm.....	552610
Gluing brush	50 x 35 mm.....	512605
Surface nozzle	70 mm	512607
	120 mm	512612
	180 mm	512618

for joints



	Size	Art.No.
Dowel nozzle	Ø 6 x 20 mm	512801
	Ø 8 x 25 mm	512802
	Ø 8 x 32 mm	512803
	Ø 3/8" x 30 mm	512804
	Ø 10 x 30 mm	512805
	Ø 12 x 40 mm	512806
	Ø 14 x 40 mm	512807
Dowel nozzle, double.....	Ø * mm, A = 32 mm	512822
Lamello nozzle	Size 0–20.....	512846
Tongue nozzle	70 x 30 x 4 mm (plastics).....	512854
	without glue exit holes for individual positioning of the glue holes	
Universal tongue	30 x 100 x 4.5 mm	512870
	50 x 110 x 4.5 mm	512871
Roller nozzle	25 mm	Ø 7 mm
	50 mm	Ø 7 mm
	50 mm heavy duty.....	Ø 7 mm
	75 mm	Ø 9 mm

* according to your requirements



Repairing

«Quality takes top priority in our company.

We have found an expert partner in Lamello.

We particularly value the helpful, friendly nature of the Lamello team.»

Ing. Christian Rasner, Site Manager at the laminated wood factory

Bakk. Valentina Kirnbauer, member of the management team at Franz Kirnbauer KG in Prigglitz, Austria



Repairing with the **Minispot System**



For the repair of wood defects and damaged areas such as resin pockets, small knots or damaged edges

How it works



1. Cut the defect



2. Apply the glue



3. Insert the Minispot patch



4. Plane the surface

Advantages and properties

System solution



«Where all parts match»

- All necessary components such as machines, templates, cutters and patches are made to fit ideally

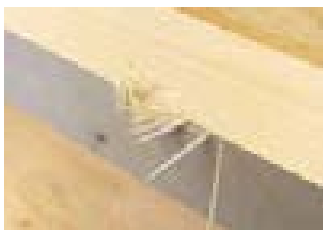
Efficient and professional



«Field-proven and suited for the industry»

- Easy and fast positioning due to the markings and the see-through cover on templates and machines
- Efficient tools and standard attachment for dust extraction

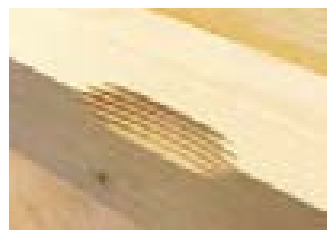
Easy and complete



«The ideal solution for every situation»

- Diverse patch sizes for damaged areas available, single patches and patch rods from 85–500 mm
- Suitable system solutions for repairs of surfaces or edges

Fast



«Fast completion of the repair»

- Optimal hold of the patches due to the fine interlocking in the wood surface
- No long waiting time after glueing

Invisible

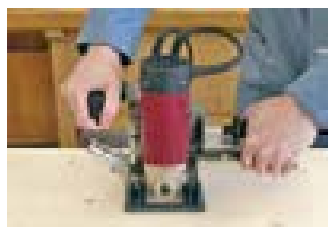


«Quality which pays off»

- Fine interlocking makes the patch invisible
- Patch takes on the same colour as the surrounding wood or can be stained, oiled or laquered accordingly

G20 S2

The Minispot grooving machine to cut grooves for patches sizes 2, 4, 22, 8, 20



Cutting defects



See-through cover



Stop square



Milling jig for Minispot patching rods



Advantages and properties

- **Precision guidance with finished surface**
- **Easy positioning** due to see-through cover
- No slipping while cutting due to anti-slide coating and fixation spikes
- **Controlled plunge** due to ergonomic push-down lever
- Suction stub for dust extraction

Technical data

Power 1'000 W
 Voltage 230 V
 Speed 10'000 min⁻¹
 Max. groove depth 20 mm
 Weight 4.4 kg

Minispot G20 S2

Art.No.

in carton **111750**

Kit contains

Machine (without cutter) with:
 set of tools, manual

Accessories

Art.No.

Stop square for edge patches **121755**

für G20 S2

To cut Minispot-grooves on edges
 for all models since 2005

Milling jig for Minispot patching rods **121702**

85 / 250 / 500 mm

for G20 / G20 S2 / G2A

Accessories can be found from page 90 onwards

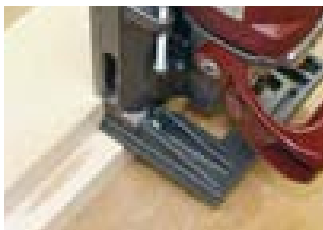


G2A

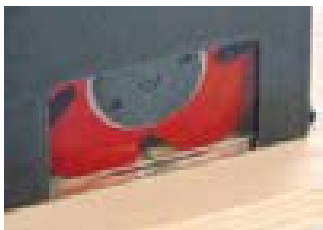
The Minispot grooving machine to cut grooves for patches size 2 and 8



Anti-slide coating



Repair in the groove



See-through cover



Sliding back cover

Advantages and properties

- **Precision guidance with finished surface**
- **Easy positioning** due to see-through cover
- No slipping while cutting due to anti-slide coating
- **Sliding back cover** for closer cuts in the groove
- Suction stub for dust extraction

Technical data

Power	780 W
Version	230 V
Speed	10'000 min ⁻¹
Cutter.....	Carbide tipped Minispot cutter size 2
Max. groove depth.....	8 mm
Weight.....	3.1 kg

Minispot G2A

Art.No.

in carton **111702**

Kit contains

Machine with:
carbide cutter, set of tools, manual

Accessories

Art.No.

Milling jig for Minispot patching rods **121702**
85 / 250 / 500 mm
for G20 / G20 S2 / G2A

Accessories can be found from page 90 onwards

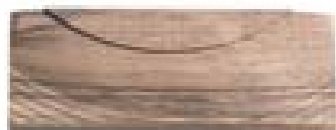


Patchmaker 2

The patch-making machine for the manufacture of individual size 2 patches, using your own wood scraps 72 x 25 x 10 mm



Step 1:
Wood piece 72 x 25 x 10 mm



Step 2:
Cut profile



Step 3:
Cut profile



Step 4:
Cut off the wood patch

Advantages and properties

- The patch is made from the same wood piece as the workpiece
- Using your own wood offers a perfect match between workpiece and patch
- The patch is available immediately

Technical data

Power	250 W / 500 W
Voltage	230 V or 120 V
Speed	18'000 min ⁻¹ / 25'000 min ⁻¹
Tools	Carbide tipped profile cutter 2 teeth Carbide tipped saw blade 100 x 2.4 x 22 mm
Weight.....	9.3 kg

Patchmaker 2

in carton **Art.No. 111600**

Kit contains

Machine with:
carbide tipped form cutter / saw blade, suction hose with adapter piece, set of tools, manual

Accessories can be found from page 90 onwards

Plano 45 S2

The flush milling machine to flush-mill projecting wood pieces such as resin-pocket patches, patching rods, knots, crossbar patches



Tear-free cut



Adjustable milling height



Stainless steel base insert



Planing protruding patch

Advantages and properties

- **Unique helical milling geometry** produces a shearing cut which **guarantees tear-free work**
- **Low cutting pressure**, no chipping at the end of the piece
- **Perfect cut even on crossgrained wood**
- Set milling height easily in steps of 0.035 mm, +/- 0.7 mm
- Ergonomically improved and repositioned switches and handles
- **Cost-effective** tool due to long life
- Stainless steel base inserts for minimal wear
- Suction stub for dust extraction

Technical data

Power	1'000 W
Voltage	230 V or 120 V
Speed	10'000 min ⁻¹
Tool	Cutter head with 3 carbide reversing blades 45 x 12 x 1.5 mm
Cutting width	45 mm
Cutting height	3 mm
Weight.....	4.1 kg

Plano 45 S2

Art.No.

in carton **111851K**

Kit contains

Machine with:
set of tools, manual

Accessories can be found from page 90 onwards

Patches

Patches

To patch wood defects and damaged areas



Profile	Size	Width mm	Height mm	Length mm	Quantity per box
	2	8	13	69	500
	20	20	11	65	160
	20 K	20	17	81	55
	22	15	13	69	200
	4	15	20	81	200

Sizes/wood types not listed here are available on request

Other wood species are:

- Alder
- Birch
- Brazil mahogany
- Carolina pine
- Cherry
- Chestnut
- Elm
- Framiré
- Hemlock
- Iroko
- Larch nat.
- Lime
- Mahogany
- Maple
- Merbau
- Obeche
- Pear
- Ponderosa pine
- Poplar
- Ramin
- Red alder
- Red Cedar
- Red oak
- Sapelli
- Sipo
- Stone pine
- Teak
- White oak

Wood species	Size 2 100 pieces Art.No.	Size 2 500 pieces Art.No.	Size 4 200 pieces Art.No.	Size 20 160 pieces Art.No.
Spruce-fir ¹	15 0002 K100	15 0002*	15 0004	15 0020*
Spruce nat. ²	15 0102 K100	15 0102*		15 0120
Nordic spruce ³	15 0202 K100	15 0202*		15 0220*
Spruce, not glued	15 0002U K100	15 0002U		15 0020U
Pine ¹	15 0302 K100	15 0302*		15 0320
Nordic pine ³	15 0402 K100	15 0402*	15 0404	15 0420*
Beech nat.	15 0702 K100	15 0702*		15 0720
Larch	15 0802 K100	15 0802*		15 0820*
Silver fir	15 1102 K100	15 1102*		15 1120
Beech	15 1602 K100	15 1602*		15 1620
Larch Siberian	15 5202 K100	15 5202*		15 5220
Douglas fir / Oregon Pine	15 2902 K100	15 2902		15 2920
Oak	15 3002 K100*	15 3002*		15 3020
Meranti	15 3202 K100	15 3202*		15 3220
Walnut	15 3502 K100	15 3502		

Jumbo Box	1500 pieces	500 pieces
Spruce-fir	15 0002J*	15 0020J
Larch	15 0802J	15 0820J
Pine	15 0302J	15 0320J

Industrial package	7000 pieces	200 pieces	2500 pieces
Spruce-fir	15 0002I*	15 0004I	15 0020I
Spruce nat. ²	15 0102I		
Nordic spruce ³	15 0202I		15 0220I
Pine ³	15 0302I		15 0320I

Edge patches	Size 20K 55 pieces	850 pieces
Spruce-fir	15 0023	15 0023I
Larch siberian	15 5223	15 5223I

* on stock / All other products in various sizes are available on request

Delivery for cartons of 100 pcs approx. 1-2 weeks / all other cartons approx. 2-5 weeks

Articles not in stock cannot be returned.



Patches

Multibox	Quantity	Size	Art.No.
with Minispot patches assorted	12 x 50 pieces	2	156580
beech, oak, ash, spruce-fir, pine, hemlock, cherry, larch, mahogany, walnut, sapelli, silver fir			

Patching rods



Wood species	Size	Length			Quantity	Art.No.
		85 mm	250 mm	500 mm		
Spruce-fir	2	85 mm	250 mm	500 mm	500	15 0002L08
			250 mm	500 mm	100	15 0002L25
				500 mm	100	15 0002L50
Spruce-fir	22	250 mm	500 mm		50	15 0022L25
			500 mm		50	15 0022L50
Spruce-fir	20	85 mm	250 mm	500 mm	220	15 0020L08
			250 mm	500 mm	45	15 0020L25
				500 mm	45	15 0020L50
Pine	2	250 mm	500 mm		100	15 0302L25
			500 mm		100	15 0302L50
Larch, Siberian	20	85 mm	250 mm	500 mm	220	15 5220L08
			250 mm	500 mm	45	15 5220L25
				500 mm	45	15 5220L50

Industrial package

Wood species	Size	Length**		Quantity	Art.No.
		250 mm	500 mm		
Spruce-fir	20	250 mm	500 mm	900	15 0020IL25
			500 mm	630	15 0020IL50
Pine	20	250 mm	500 mm	900	15 0320IL25
			500 mm	630	15 0320IL50
Larch	20	250 mm	500 mm	900	15 0820IL25
			500 mm	630	15 0820IL50

** Nominal length = Traverse path



Knot patches and Crossbar pins

Knot patches box of 250 pieces	Ø 10 mm	Ø 15 mm	Ø 20 mm	Ø 25 mm	Ø 30 mm	Ø 35 mm
	Art.No.	Art.No.	Art.No.	Art.No.	Art.No.	Art.No.
Spruce-fir	15 7010*	15 7015*	15 7020*	15 7025*	15 7030*	15 7035*
Pine	15 7110	15 7115	15 7120	15 7125	15 7130	15 7135
Larch	15 7210	15 7215	15 7220	15 7225	15 7230	15 7235

Knot patches assorted	Art.No.	
Spruce-fir	15 7050	Pieces per package: Ø 10 mm 100 pieces, Ø 15 mm 100 pieces, Ø 20 mm 150 pieces, Ø 25 mm 100 pieces, Ø 30 mm 50 pieces
Pine	15 7150	
Larch	15 7250	

Crossbar pin box of 1 kg	Ø 10 mm	Ø 15 mm	Ø 20 mm	Ø 25 mm	Ø 30 mm	Ø 35 mm
	Art.No.	Art.No.	Art.No.	Art.No.	Art.No.	Art.No.
Spruce-fir	15 7010Q	15 7015Q	15 7020Q	15 7025Q	15 7030Q	15 7035Q
Larch	15 7210Q	15 7215Q	15 7220Q	15 7225Q	15 7230Q	15 7235Q

* on stock / All other products in various sizes are available on request, approx. 1 – 3 weeks

Renovating Windows

«The Tanga Delta is the perfect machine for window replacement since it is fast, robust and reliable.

A guaranteed clean job for the customer! »

Pascal Scheffer, Installer of Hefesta-Fensterbau Heil GmbH in Steinwenden, Germany





Window replacement with the **Tanga Delta**



Clean and efficient window replacement For good customer care

How it works



1. Unpack the machines



2. Cut the window out



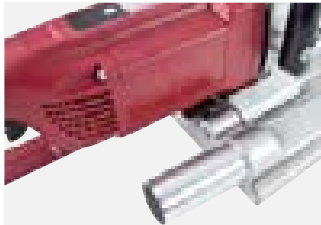
3. Pull the window out



4. Install the new window

Advantages and properties

High working speed



Powerful 1600 W motor with ideal weight-power ratio

Cuts into the corner



Deep cuts into the corner with the Tanga Delta S2

High quality



Clean cuts into wood, stone and tiles without damaging surrounding structures

Only one cut



Cutting depth up to 68 mm

Flat, light construction



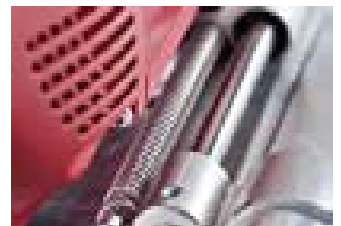
Only 5.4 kg but 1600 W power!

Low dust emission



Ideal air flow channeling minimises dust emissions

Safe



Smoothly running base plate is instantly retracted by the strong spring

Tanga Delta

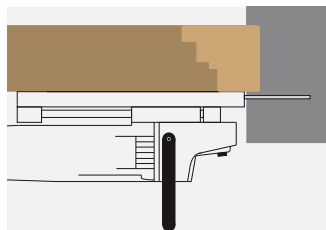
The ideal machine for window replacement.



Tanga Delta S2

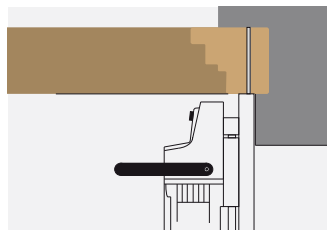
Tanga Delta H

Tanga Delta S2



Cut into the stone wall

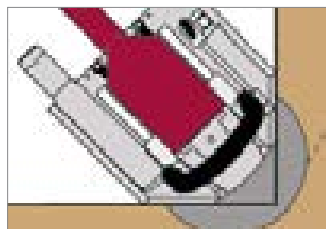
Tanga Delta H



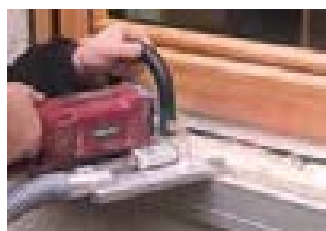
Cut into the timber frame



Base plate for cuts into corner



45° cut into the corner



Cut-out for the weatherboard



Cut into the tiled wall



Shortening doors



Cut groove for door seal with the rabet stop



Tanga with rabet stop

Advantages and properties

– Effortless low friction guide for longevity despite daily use in stone and plaster

– Base plate with snap-in locker for a quick change of tools

Tanga Delta S2 – Cut into the stone wall

– Diamond blade for cutting plaster, stone and tiles

– 2 base plates for cutting straight-line and into the corner

Tanga Delta H – cut into the timber frame

– Saw blade for wood frames

– 1 base plate for cutting straight-line

Applications with Tanga Delta S2

– Clean replacement of old windows

– Cut the wall for larger windows

– Cut-outs for weatherboards

– Cuts for wall breakouts

– Dustless cuts into plasterboards

– Straight cuts into tiled walls

Technical data

Power 1'600 W
with electronic overload protection

Voltage 230 V

Speed 7'700 min⁻¹

Cutting height 6 mm (groove width)

Weight..... 5.4 kg

Tanga Delta S2

Diamond blade Ø 180 x 2.6 x 22 mm

Cutting depth adjustable 0–58 mm
(optional 0–68 mm with
200 mm saw blade)

Tanga Delta H

Carbide saw blade Ø 200 x 2.4 x 22 mm

Cutting depth adjustable 0–68 mm

in wooden case

Art.No.

Tanga Delta S2 with diamond blade **111553**

Tanga Delta H with saw blade for wood **111560**

Kit contains

4 m suction hose with suction stub, set of tools, safety glasses,

Tanga Delta S2: Diamond blade

Tanga Delta H: Carbide saw blade

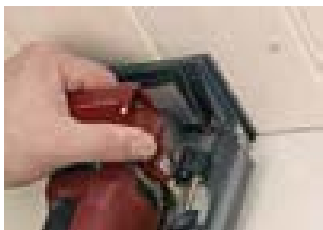
Accessories can be found from page 90 onwards

Variocut

The expansion gap and parquet cutter for gap width 4–8 mm



Gap width 4–8 mm



Cutting gap



Expansion gaps



Additional option: Wood repair

Advantages and properties

- **For minimal gap width from 4–8 mm**
- Fast height adjustment 4–8 mm in tenths of a millimeter with the adjusting knob
- Plastic front cover for easy gliding on the ceiling or on the floor
- Can also be used for wood repairs with a Minispot cutter

Application

- Expansion gaps on ceilings
- Various cuts with and cross grain
- Expansion gaps on floor boards
- Wood repairing (with Minispot cutter Art.No. 132217)

Technical data

Power	800 W
Voltage	230 V
Speed	10'000 min ⁻¹
Carbide tipped cutter	Z20, Ø 100 x 2.4 x 22 mm
Gap width.....	4–8 mm (1/10 per step), or more by use of a spacer
Cutting depth	adjustable 0–20 mm
Weight.....	3.5 kg

Variocut

in wooden case..... **Art.No. 111450**

Kit contains

Machine with:
saw blade, set of tools, manual

Accessories can be found from page 90 onwards

Edge processing with the **Profila**



The edge profiling machine with a stable surface for various jobs

Advantages and properties

Stepless fine adjustment



Simple rotation of the nut ensures the base plate remains stable and correctly angled.

Stable working



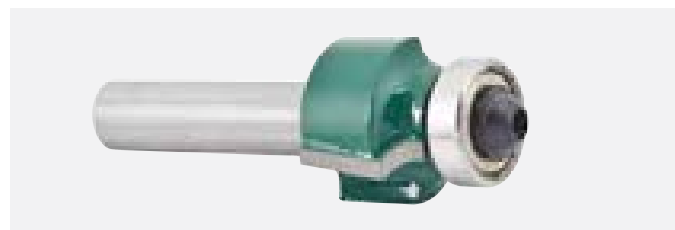
Stability when working protruding edges is enabled by vertical positioning of the machine using the gap in the baseplate.

All shapes, any job



Whether curved inwards or outwards, if straight or rounded. Whether the top layer or the edging protrudes.

All standard cutters



No special cutters required. Use your existing cutters. The machines are shipped with collet chucks \varnothing 6mm, 8mm and $\frac{1}{4}$ ".

Variable tool opening



25 mm or 34 mm depending on the cutter size

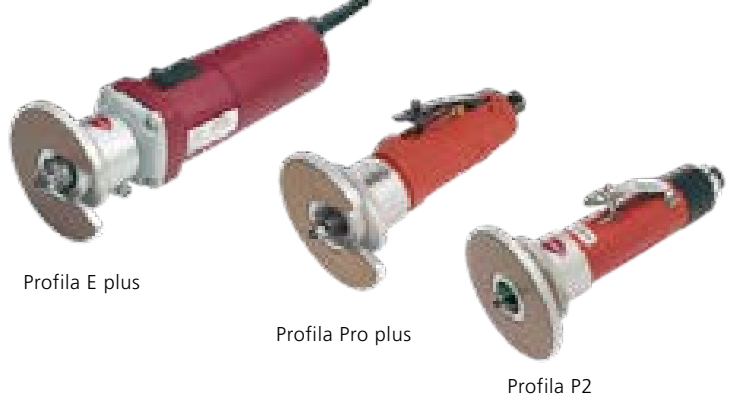
Large base plate



The large base plate \varnothing 100 with a sliding coating on the surface allows for stable running on the work piece.

Profila

The edge profiling machine with electric or pneumatic motor for flush-milling, edge-milling and profiling of edges even on curved work pieces



Profila E plus (electric)
For every work shop, use it anywhere



Flush trim or round edges



Profila Pro plus (pneumatic)
Light and ergonomic handling only 1 kg



Flush trim or round edges



Profila P2 (pneumatic)
Light and ergonomic handling only 900 g



Rounding edges

Advantages and properties

- Easy and stepless precision adjustment of the cutting depth by simply turning the base plate
- Ideal for all standard cutters
- Small, variable tool opening for 25 and 34 mm
- Special coating on the base plate avoids leaving marks on the workpiece
- Large base plate
- High speed for a clean cut

Profila E plus, Profila Pro plus

- The opening in the base plate enables milling of **protruding edges** through application on the surface instead of the edge. This allows for stable guiding of the machine and milling of curved work pieces.
- Ideal for cutting protruding PVC edges

Profila P2

- Ideal for rounding edges

Profila E plus	Art.No.
Profila E plus, base plate with gap	111962K

Profila P	Art.No.
Profila Pro plus, base palte with gap	111964
Profila P2, closed base plate	111954

Technical data

	Profila E plus	Profila Pro plus	Profila P2
Power	740 W	400 W	300 W
Voltage	230 V		
Speed	25'000 min ⁻¹	22'000 min ⁻¹	21'000 min ⁻¹
Base plate	Ø 100 mm with tool opening 34 mm, reducer 25 mm		
Weight.....	1.8 kg	1 kg	0.9 kg
Air consumption		180 l/min	150 l/min
Operating pressure.....		max. 6.5 bar	max. 6.5 bar
Air consumption		¼" NPT	¼" NPT

Kit contains

Machine with:
carbide tipped cutter Z2, R 2 mm, collet chucks 6 mm, 8 mm and ¼", set of tools, manual

Accessories can be found from page 90 onwards

Cantex Ergo

The high-precision planer for top quality flush-milling of solid wood edges



Flush-planing efficient and clean



Rounded base plate



Tear-free work in cross-grained wood



Parallel guide for finished surfaces



High-precision cutter adjustment



Advantages and properties

- **Round front on the base plate** for more manoeuvrability, ideal for planing all-sided edges on panels
- **New: Scale on the cutter** for the exact setting of the parallel guide
- Unique helical milling geometry produces a **shearing cut which guarantees tear-free work**
- Low cutting pressure, no chipping at the end of the piece
- **Perfect cut even on cross-grained wood**
- Set milling height easily in steps of 0.035 mm, +/- 0.7 mm
- Sliding spacer prevents tipping of the machine when working in the surface

Technical data

Power	1'000 W
Voltage	230 V or 120 V
Speed	10'000 min ⁻¹
Tool	Cutter head with 3 carbide reversing blades, 45 x 12 x 1.5 mm
Milling height.....	adjustable in steps 0.035 mm, ± 0.7 mm
Cutting width	45 mm
Cutting height	3 mm
Weight.....	4.3 kg

Cantex Ergo

Art.No.

in carton **111857**

Kit contains

Machine with:
set of tools, manual

Accessories

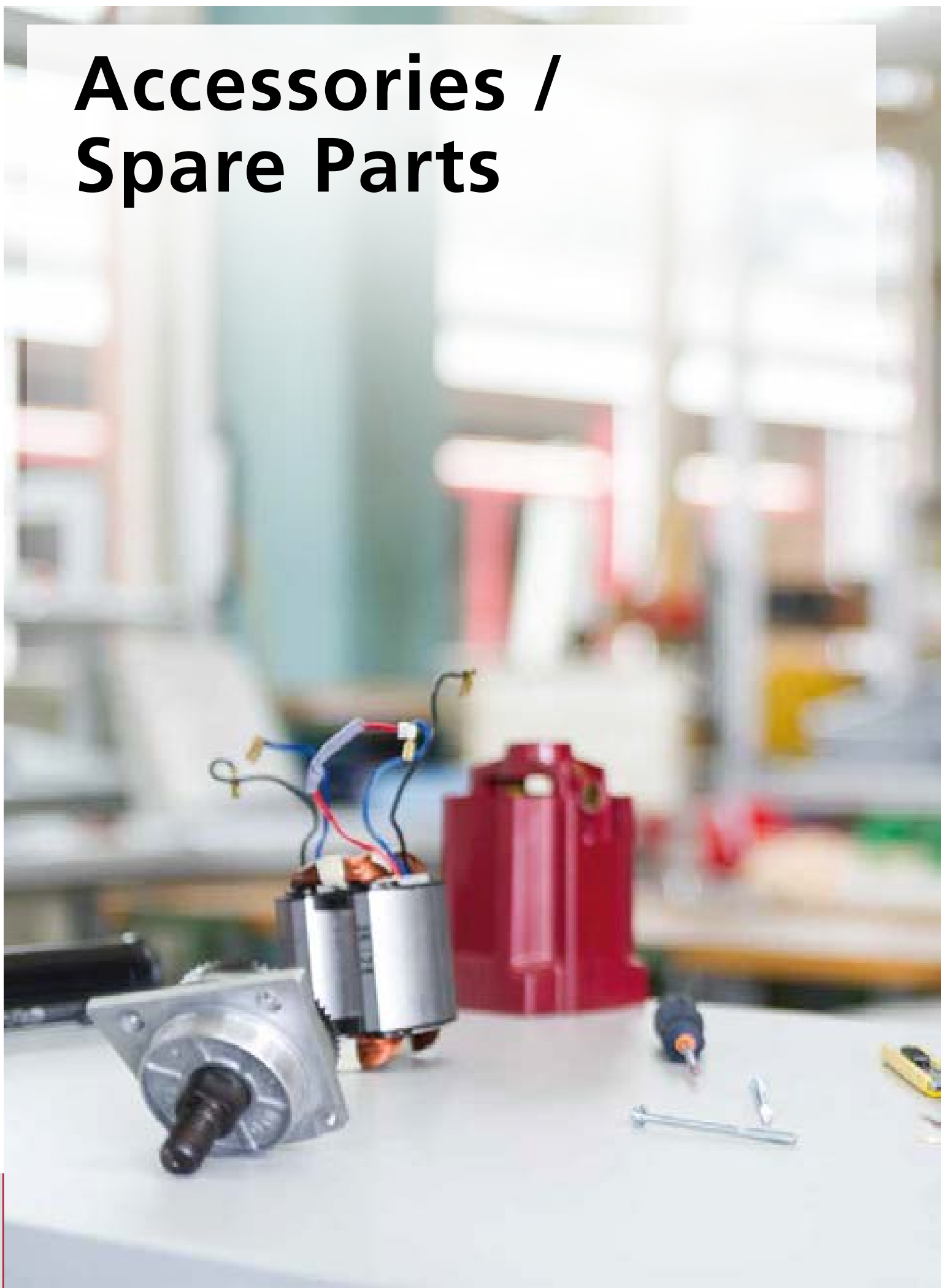
Art.No.

Parallel guide stop for Cantex Ergo / S2 **121290**

For efficient flush-milling of protruding wood edges on materials with finished surfaces (melamine, veneer)
Prevents cutting into the finished surface!

Accessories can be found from page 90 onwards

Accessories / Spare Parts





Clamex P Accessories



125344

P-System drill jig

Art.No.

P-System drill jig incl drill, from 22.5° **125344**
for all Clamex P fittings (P-10, P-14, P Medius 14/10)



125345

P-System drill jig long

Art.No.

Drill jig for thick work pieces 100 mm, (P-14, P Medius 14/10)..... **125345**



131506

Drill

Art.No.

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



251993

Clamex P assembly tool

Art.No.

for all angles, fast and flexible,
Hex 4 x 30 mm, length 290 mm **251993**

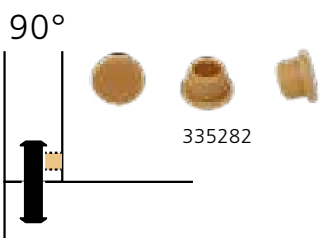


271945

Allen key

Art.No.

4 mm, 75 x 55 mm **271945**
4 mm, 120 x 50 mm **271945A**



335282

Cover caps, 100 pieces

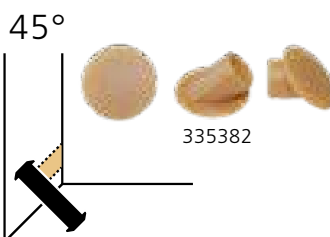
90°

Art.No.

Art.No.

RAL 9010, White..... **335280**
RAL 9011, Black..... **335281**
RAL 1014, Ivory..... **335282**
RAL 1011, Brown beige.... **335283**
RAL 8007, Brown..... **335284**

RAL 9002, Grey-white **335285**
RAL 7035, Light grey..... **335286**
RAL 7040, Window grey . . . **335287**
RAL 7031, Blue grey..... **335288**



335382

45°

Art.No.

Art.No.

RAL 9010, White..... **335380**
RAL 9011, Black..... **335381**
RAL 1014, Ivory..... **335382**

RAL 1011, Brown beige... **335383**
RAL 8017, Brown **335384**
RAL 7022, Umbra grey ... **335388**

Divario P-18 Accessories



125500

Divario P-18 Installation tool	Art.No.
Divario P-18 Installation tool for fixing the Divario in the workpiece	125500



125510

Divario P-18 Marking jig	Art.No.
Marking jig incl. drill with centering point and rotating depth collar for the precise drilling of Divario drill holes by hand	125510



145546

Divario P-18 Positioning pins	Art.No.
For furniture without backs as a stop when inserting the work piece.....	145546



125520

Divario P-18 Installation tool for positioning pins	Art.No.
Installation tool for the insertion of the positioning pins.....	125520

Cutters for Zeta P2



132140



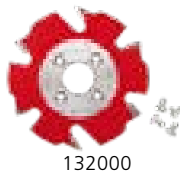
132141

P-System groove cutter, Ø 100.4 x 7 x 22 mm	Art.No.
Z3, diamond dipped for Zeta (P-System).....	132140

P-System groove cutter, Ø 100.9 x 7 x 22 mm	Art.No.
Z3, carbide tipped for Zeta (P-System).....	132141

Accessories / Lamello-System

Cutters, saw blades



132000

Carbide tipped groove cutter, Ø 100 x 4 x 22 mm	Art.No.
Z2 + V4 scoring teeth, 4 screw holes, hub	for Zeta, Top 20, Top 21, Classic.. 132000
Z6 alternating teeth, without hub, with spacer	for Classic..... 132106



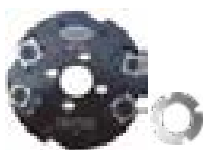
132106

Carbide tipped groove cutter, Ø 78 x 3 x 22 mm	Art.No.
Z4, 4 Screw holes, with hub for biscuit H9.....	for Zeta, Top 20, Top 21, Classic.. 132009



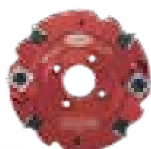
132001

Carbide tipped groove cutter with reversible blades, Ø 100 x 4 x 22 mm	Art.No.
Z2 + V2, 4 screw holes with hub	for Zeta, Top 20, Top 21, Classic.. 132001
Z4 + V4, 4 screw holes without hub, with spacer.....	for Zeta, Top 20, Top 21, Classic.. 132130
Set of 4 pieces	for Art.No. 132001..... 132111
Set of 10 pieces main teeth.....	for Art.No. 132130..... 132134
Set of 10 pieces scoring teeth.....	for Art.No. 132130..... 132135
Replcement-Set, 4 scoring teeth + 4 main teeth	for Art.No. 132130..... 132133

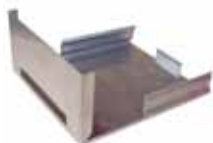


132130

Carbide tipped groove cutter with reversible blades, Ø 100 x 8 x 22 mm (Clamex S connector)	Art.No.
Z4 + V4, 4 screw holes	for Top 20, Top 21, Classic 132108
Set of 10 pieces scoring teeth	for Art.No. 132108..... 132137
Set of 10 pieces main teeth	for Art.No. 132108..... 132136
Replcement-Set, 4 scoring teeth + 4 main teeth	for Art.No. 132108..... 132114



132108



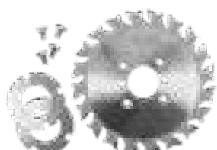
251057

Slide shoe, to protect the wall and the machine	Art.No.
from year of manufacture 1999.....	for Experta, Classic C2, C3..... 251057
	Top 20, S, S2, S3, S4, Top 21, Zeta



121280

Edge trimming unit Lamello Nova	Art.No.
For trimming of projecting wooden	for all biscuit joiner 121280
	and plastic edges 18 mm



132350

Carbide tipped saw blades for expansion gaps, Ø 100 x 2.4 x 22 mm	Art.No.
Z20, 4 screw holes, 2 spacers	for Zeta, Top 20, Top 21, Classic.. 132350

Accessories for saw blades	Art.No.
Spacer, 40 x 20 x 1mm with screw holes.....	for Zeta, Top 20, Top 21, Classic.. 322510
Flange M8	for Zeta, Classic..... 252502
Flange M10.....	only for Classic..... 252504

Applications of saw blades for cutting expansions gap

Expansion gap width	8 mm	9 mm	10 mm	11 mm	12 mm
Classic C2, C3, 3S Pa, Zeta					
Height adjustment	-2	-1	±0	+1	+2
Top 20, S2, S3, S4 Top 21	Height adjustment +				

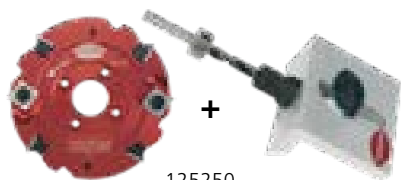
Accessories / Lamello-System

Clamex S Accessories



125240

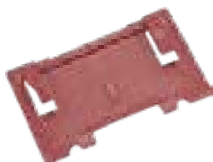
Clamex S drill jig 30° – 150°	Art.No.
Drill jig (60 mm) incl. drill for Clamex S	125240



125250

Clamex S installation set	Art.No.
Drill jig for 30° – 150° incl. drill and carbide tipped groove cutter.....	125250
with reversible blades 8 mm (132108)	for Lamello biscuit joiner

Spacers for biscuit joiners



253026

Spacer	Art.No.
5 mm, Aluminium for 18 mm panels	for Top 21 / Zeta / Classic..... 253027
2 mm, Plastic for 16 mm panels	for Top 21 / Zeta / Classic..... 253023
4 mm, Plastic for miters.....	for Top 21 / Zeta / Classic..... 253026

Accessories / Glueing System



LK 3, LK 5, LK 10	Art.No.
LK Service carriage	533205

The mobile station for LK 10, LK 5 und LK 3:

- adjustable suspension rod
- Incl. service boiler with grip, cover and grid basket to submerge nozzles in water when not in use, volume 3 l (533255)
- Dimensions 410 x 410 x 850 mm

LK Rolling base with handle	533204
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For LK 5 and LK 3:

- On 4 wheels with pushing handle
- Complete with water container and hook for suspension of hose
- Dimensions 254 x 254 x 820 mm

LK Rolling base	533201
------------------------------	---------------

Allows pulling behind by hose of LK 5 and LK 3:

- Lowered platform for stability of the glue applicator
- Dimensions 254 x 254 mm



	Art.No.
Connector..... 3/4" for water tap	533250
US for water tap	533251
Cleaning brush..... Ø 40 x 100 mm	533252
round Ø 6 mm..... length 340 mm	533253
Service container..... Volume 3 litres with mesh basket for 533205	533255
Water reservoir complete	533260
Inside dimensions Ø 60 x 90 mm	533261
Distributor	533238
for 2-3 additional hoses	533230
Connector	533240
with external thread	583208
with 2 screws	533215
for round nozzle + pointed nozzle	533216
Hose mounted	533210
Ø 10 x 4000 mm	533213
Hose	533222
Ø 10 mm per meter	533223
Hose fitting set.....	533224
Ø 10 mm.....	533225
Ø 13 mm.....	533226
Empty glue container	553205
incl. cover with 1 hole..... 3 kg.....	553224
incl. cover with 1 hole..... 5 kg.....	553224
incl. cover with 2 holes	553205
Lid for glue container	553224
without hole..... 5 kg.....	552822
Lid for glue container	
without hole..... 10 kg.....	
Bracket with 2 screws for roller nozzle.....	

Doicol / Minicol / Servicol	Art.No.
Glue bottle with metering pump for Doicol	287012
Metering pump complete..... for Doicol	287013
Cap for glue bottle..... for Doicol	337001
Base..... for Doicol	287010
Water container	337040
for Doicol	533232
Adapter for nozzels..... for Doicol	335510
Glue bottle Minicol, Servicol..... for Minicol / Servicol	285515
Base, solid wood for Minicol..... for Minicol	335513
Base, plastic for Servicol	
for Servicol	

Accessories / Repairing

Cutters



Carbide tipped cutters for Lamello wood repair machines		Art.No.
100 x 8 x 22 mm, Z4, 4 screw holes (fits all Lamello biscuit joiners)	for Minispot patches	132217
	Size 2	
100 x 8 x 22 mm, Z4	for Minispot patches	132213
	Size 8	
100 x 15 x 22 mm, Z4	for Minispot patches	132209
	Size 22	
100 x 15 x 22 mm, Z4	for Minispot patches	132208
	Size 4	
100 x 20 x 22 mm, Z4 (our recommendation)	for Minispot patches	132222
	Size 20	
100 x 20 x 22 mm, Z2 with profile blades	Size 20	132220
Profile blades for Art.No. 132220	Size 20	132221

Carbide tipped saw blade Z20		Art.No.
Ø 100 x 2.4 x 22 mm	for Patchmaker 2, Patchmaker 20, Variocut	132301
Ø 100 x 2.4 x 22 mm with 2 spacers	for Patchmaker 2, Patchmaker 20, Variocut	132350

Carbide tipped profile cutter Z2		Art.No.
Shaft-Ø 8 mm	for Patchmaker 2	131600

Carbide tipped profile cutter Z2+2		Art.No.
Ø 80 x 29 x 20 mm	for Patchmaker 20	
	for 1 x Size 20	131620
	for 2 x Size 2	131621

Accessories / Window replacement

Tanga Delta



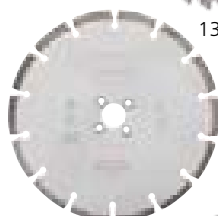
132322



132323



132324



132522



132523



132519



121556

Carbide tipped saw blades

Ø 200 x 2.4 x 22 mm (cutting depth 68 mm) for Tanga Delta		Art.No.
Z12, 4 screw holes		132322
Z24, 4 screw holes		132320
Z24, 4 NL, higher resistance against screws, high cutting performance		132323
Z24, 4 NL, (only suited for cutting into the wood without moving the machine)		132321
Screw M4x8 for saw blades		352408F

Ø 200 x 2.2 x 22 mm (cutting depth 68 mm) for Tanga Delta		Art.No.
Z32, for aluminium windows		132324

Ø 180 x 2.4 x 22 mm (cutting depth 58 mm) for Tanga Swiss, 1811, Dia		Art.No.
Z12, 6 screw holes		132317
Z24, 6 screw holes		132318
Z24 special, 6 screw holes, only for cutting into the wood without moving the machine		132319

Ø 150 x 2.4 x 22 mm (cutting depth 45 mm) for Tanga 150, 1511		Art.No.
Z12, 6 screw holes		132315
Z24, 6 screw holes		132316
Z26 special, 6 screw holes, only for cutting into the wood without moving the machine		132314

Diamond blades

Ø 200 x 2.6 x 22 mm (cutting depth 68 mm) for Tanga Delta		Art.No.
4 screw holes, for a clean cut into tiles and plaster		132517
4 screw holes, segmented for soft materials		132522
4 NL, for PVC windows with steel core		132523

Ø 180 x 2.6 x 22 mm (cutting depth 58 mm)		Art.No.
4 screw holes	for Tanga Delta	132519
4 screw holes	for Tanga Dia	132518

Attention:

Please use original Lamello blades only for perfect cutting quality and to prevent damage to the machine

Accessories		Art.No.
Rabbit stop for Tanga	for Tanga 180, 1811 S, Swiss	251525
	for Tanga Delta H, S2	121556
Base plate for corners	for Tanga Delta H, S2	321548
2 rolls for base plate	for Tanga Delta H, S2	251554

3 SPa / Variocut



132312



132382

Carbide tipped saw blades

Ø 120 x 2.4 x 22 mm		for 3S Pa	Art.No.
Z20, with 2 spacers			132312
Z20, with flange M8			132382

Ø 100 x 2.4 x 22 mm		Art.No.
Z20, with 2 spacers	for Variocut	132350
Z20, without spacer rings	for Variocut, Patchmaker 2	132301

Accessories for saw blades		Art.No.
Flange M8, with screws		252502
Spacer	40 x 22 x 1 mm for 3S Pa	322501
	40 x 22 x 0.5 mm for 3S Pa	322502

Accessories / Edge processing

Profila



131987



121982



121983

Carbide tipped edge cutters		Art.No.
Radius 2 mm, shaft-Ø 8 mm.....	for Profila E, P	131987

Base plates		Art.No.
with gap, Ø 100 mm.....	for Profila E	121982
	for Profila, Pro	121987
without gap, Ø 100 mm.....	for Profila E	121983
	for Profila P2, Pro plus	121984

Collet chucks		Art.No.
6 mm.....	for Profila E (L 48, L 50, 230 V)	251960
8 mm	for Profila E (L 48, L 50, 230 V)	251962
1/4"	for Profila E (L 48, L 50, 230 V)	251961
6 mm.....	for Profila E (L 51, 120 V)	251963
8 mm.....	for Profila E (L 51, 120 V)	251978
1/4".....	for Profila E (L 51, 120 V)	251964
6 mm.....	for Profila P2, Pro, Pro plus	251966
8 mm.....	for Profila P2, Pro, Pro plus	251968
1/4"	for Profila P2, Pro, Pro plus	251967

Cantex Ergo / Plano



131822

Carbide tipped reversible blades (3 pieces)		Art.No.
45 x 12 x 1.5 mm, angle 55°..... (from 2006)	for Cantex Ergo, Plano 45	131822
45 x 12 x 1.5 mm, angle 45°..... (until 2006)	for Cantex, Plano 45	131823

Lamina



131980

Carbide tipped profile cutter		Art.No.
Ø 30 mm	for 90° and 35°	131980
	for 90° and 22°	131981

Suction accessories



Suction set complete		Art.No.
Suction set 23	for biscuit joiner, Variocut, 3S, G2A	121810
	Inner diameter 23 mm	
	3 m suction hose black	
	Conical connecting piece for hose Ø 30–42 mm	
Suction set 30	for Tanga Delta, G20	121820
	Inner diameter 30 mm	
	4 m Suction hose with adapter 58 mm	



Parts		Art.No.	
Suction hose	black	int. Ø 23 mm, per Meter.....	331808
Connecting piece	conical.....	for suction hose, int. Ø 23 mm .	331802
Suction hose adapter	for suction set 23 and 30		331805
	54 and 58 mm		
Suction stub.....	for biscuit joiner, Perfora,		331006
	Trimming unit Patchmaker		
Deflector stub	for biscuit joiner		331005
Extractor stub 36 mm.....	for biscuit joiner		331007
	(Festool compatible)		
Dust bag	for biscuit joiner		337530
Dust bag and extractor stub Ø 36 mm	for biscuit joiner		257530
Dust bags	for Art.No. 283035	10 pieces	283030
Suction stub LMA-74	for 3S, G2A, G2, Junior10, Dynamic,		281804
	Directa, Top		
	fits suction hose, int. Ø 23 mm		

Miscellaneous

Air wedge



Advantages and properties

The inflatable installation cushion works like an adjustable wedge

- Installation of window and door frames
- Fitting, and unhinging doors
- Lifting, pressing and setting workpieces
- Load capacity: max. 100 kg / pcs., Joint width: 2–50 mm

Air wedge

	Art.No.
Set with 4 air wedges.....	060003

Worktop / Countertop jigs



121300



131300



131305

Advantages and properties

For precise cutting of the recess necessary to join worktops / countertops in 90° or 2 x 45° angles

- Water resistant, heat and light resistant
- To be used with a router, guide bush Ø 30 mm, cutter shank 12.7 mm

Worktop jig

	Art.No.
Standard jig for worktops up to 650 mm width.....	121300
Spare pegs for jig for worktop jig (6 pieces).....	121312

Carbide tipped cutters

	Size	Shaft	Art.No.
for worktop jig.....	Ø 12.7 x 50 mm.....	Ø 12 mm.....	131300
	total length 100 mm		
for worktop jig with reversing teeth	Ø 12.7 x 50 mm.....	Ø 12 mm.....	131305
	total length 100 mm		

Spare parts for cutter 131305

	Art.No.
Carbide-Reversing blades10 pieces	131310
Set screw M2½ x 2½.....for reversible blades 131310	352202

Other accessories



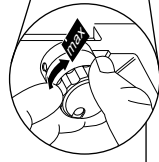
135017

	Art.No.
LEPUS	
Finishing disc, fine (Grain 500.....100 x 50 x 20 mm	135017
Grinding disc, rough (Grain 60100 x 50 x 20 mm	135032

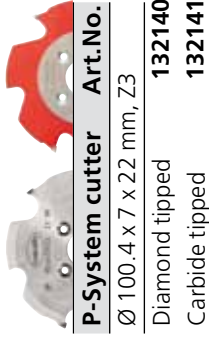


P-System

www.lamello.com

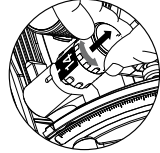
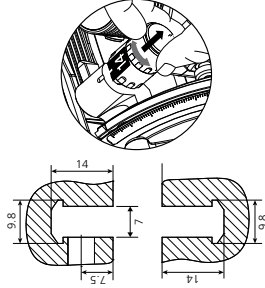


P-System



P-System cutter Art.No. 132140
 Ø 100.4 x 7 x 22 mm, Z3
 Diamond tipped
 Carbide tipped 132141

Clamex P-14



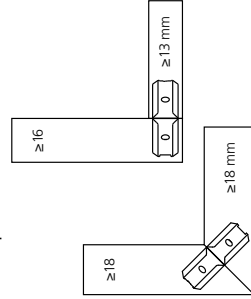
Detachable connecting fitting

Size 66 x 27 x 9.7 mm

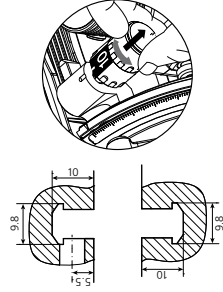
Tensile strength

Particle board: ~ 800 N
 Beech: ~ 1'000 N

Art.No.	Art.No.
80 pairs 145334	145372
300 pairs 145346	145373
1000 pairs 145356	145374



Clamex P-10



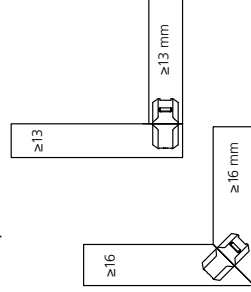
Detachable connecting fitting

Size 52 x 19 x 9.7 mm

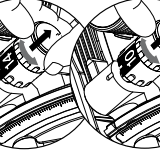
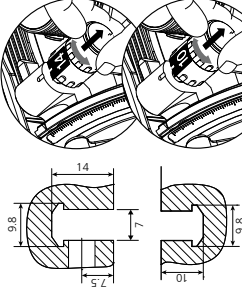
Tensile strength

Particle board: ~ 600 N
 Beech: ~ 900 N

Art.No.	Art.No.
80 pairs 145372	145372
300 pairs 145373	145373
1000 pairs 145374	145374



Clamex P Medius 14/10



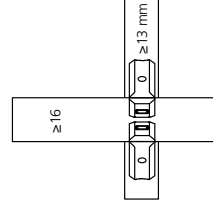
Detachable connecting fitting for centre panels

Size 66 x 13.5 x 9.7 mm
 52 x 7.5 x 9.7 mm

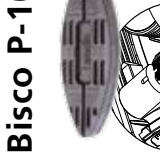
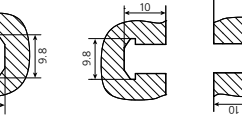
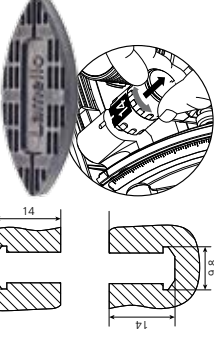
Tensile strength

Particle board: ~ 700 N
 Beech: ~ 900 N

Art.No.	Art.No.
80 pairs 145370	145370
300 pairs 145371	145371



Bisco P-14



Aligning element suitable for Clamex P-14+ Tenso P-14 and Clamex P-10

Size 65 x 27 x 7 mm
 52 x 19 x 7 mm

Bisco P-14

65 x 27 x 7 mm

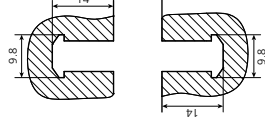
Bisco P-10

52 x 19 x 7 mm

Bisco P-14	Art.No.	Bisco P-10	Art.No.
80 pairs	145301	80 pairs	145304
300 pairs	145302	300 pairs	145305
1000 pairs	145303		

Bisco P-14: Ideal for dry assembly before glueing with Tenso P-14

Tenso P-14



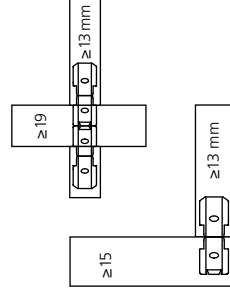
Self-clamping fitting as gluing aid

Size 66 x 27 x 9.7 mm

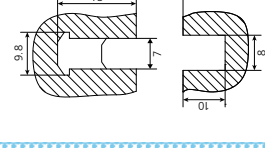
Tightening force

per connector: ~ 150 N

Art.No.	Art.No.
80 pairs 145410	145410
300 pairs 145420	145420
1000 pairs 145431	145431



Divario P-18



Self clamping, invisible fitting for slide insertion

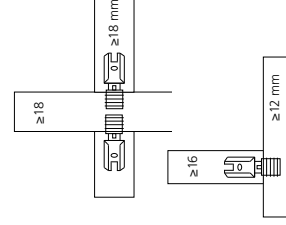
Size 65 x 16 x 9.7 mm

Ø 8 x 9 mm

Tensile strength

all materials: ~ 600 N

Art.No.	Art.No.
80 pairs 145550	145550
300 pairs 145560	145560
1000 pairs 145570	145570





Lamello-System

www.lamello.com



Carbide tipped groove cutter Art.No. 132000
Ø 100 x 4 x 22 mm
for Zeta, Top, Classic
for Classic 132106

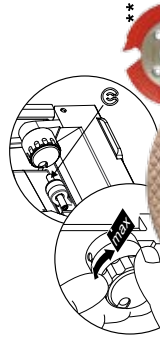
original wooden biscuit



0 Art.No. 144000
1000 pieces
Size 47 x 15 x 4 mm

10 Art.No. 144010
1000 pieces
Size 53 x 19 x 4 mm

20 Art.No. 144020
1000 pieces
Size 56 x 23 x 4 mm



H9** Art.No. 144009
1000 pieces
Size 38 x 12 x 3 mm

** Carbide tipped groove cutter
Ø 78 x 3 x 22 mm, Art.No. 132009

S6 Art.No. 144006
1000 pieces
Size 85 x 30 x 4 mm

E20-L



Self-clamping element
Size 56 x 11.5 x 4 mm

Art.No. 145022
80 pieces
Art.No. 145025
400 pieces
Art.No. 145027
1200 pieces

Clamex S-18*



Connector with screw insertion
Size 66 x 29 x 8 mm

* Cutter with reversible blades:
Ø 100 x 8 x 22 mm, Art.No. 132108

Art.No. 145231
18 pairs
Art.No. 145236
80 pairs
Art.No. 145241
300 pairs

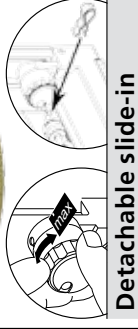
Fast



Clip-in connector
Size 56 x 25.4 x 4 mm

Art.No. 145120
50 pairs

Metal



Detachable slide-in connector
Size 57.2 x 25.4 x 4 mm

Art.No. 145115
40 pairs

Champ



Slide-in connector
Size 64 x 24 x 4 mm

Art.No. 145110
50 pairs

E20-H



Self-clamping element
Size 23 x 28 x 4 mm

Art.No. 145021
80 pieces
Art.No. 145026
400 pieces
Art.No. 145028
1200 pieces

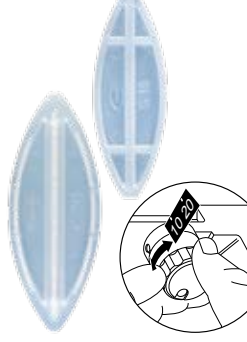
K20



Clamping element
Size 60 x 24 x 4.5 mm

Art.No. 145001
80 pieces
Art.No. 145000
250 pieces

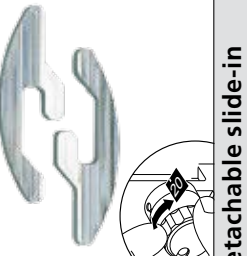
C20 / C10



Biscuit for solid surface
C20, Size 60 x 23 x 4 mm
C10, Size 53 x 19 x 4 mm

Art.No. 145010
C20, 250 pieces
Art.No. 145012
C10, 300 pieces

Simplex



Detachable slide-in connector
Size 54 x 23 x 4.1 mm

Art.No. 166101
50 pairs
Art.No. 166100
100 pairs

Duplex



Furniture hinge
Size 66 x 29 x 4 mm


Nickel Art.No. 166011
20 pieces (left)
Art.No. 166012
20 pieces (right)
10 pieces each 166013

The complete spare parts list is on our website.

www.lamello.com

We are also happy to send you the desired documentation on request.

Spare parts and accessories availability guaranteed for at least 10 years



www.lamello.com

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