

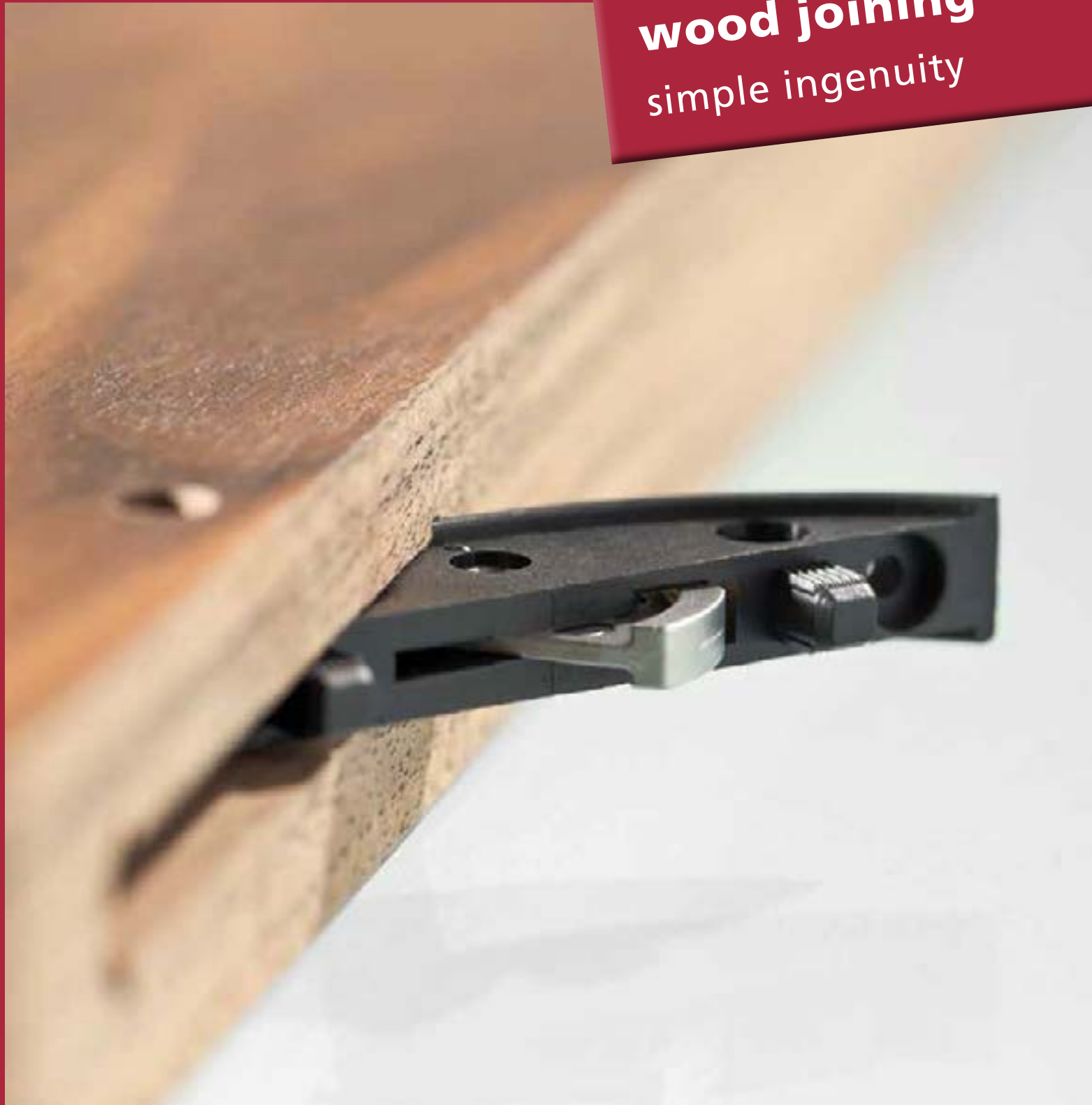


# Catalogue

2012 / 2013

english

**Pioneering  
wood joining**  
simple ingenuity





Lamello products are used by commercial and industrial customers.

Interior fitting

Furniture and kitchen manufacturing

Shop fitting and exhibition

Booth construction

Installation and renovation

Timber constructions

We offer a wide range of products all based on our system solutions.

Application Consulting

Systems Consulting

Delivery and Application Support

Training

Service



Hermann Steiner, Founder of the Company

«It was on a cold and rainy day in December 1955, shortly before Christmas. We had to deliver numerous small joinery goods, which we had prepared for Christmas meeting the requirements of our customers in our joiner's workshop. Fonci, the truck driver in Liestal, was responsible for the transport. Storm, snow and rain did not make things easier. We needed all our strength and accuracy to prevent water damaging these Christmas presents. Back home, my ears started to hurt. Obviously, I had caught a cold again. My wife gave me some painkillers and I went to bed with the comforting thought that this hurry was over now.

## But when I woke at midnight, it was like a dream.

My thoughts had strayed from my pain to another important problem, which I had considered a couple of times before. Like other cabinet makers we had started using particule board and were encountering difficulties in joining the panels. Down with fever, I suddenly saw a practical approach to the problem, which made me forget everything else. I saw how we could use a groove cutter to cut short opposing grooves into the panels and connect them using small biscuit elements. In contrast to continuous grooves, this procedure would not weaken the board. My wife thought I had visions due to the fever but I myself was entirely convinced of my idea.»







As Hermann Steiner, the founder of our company, said: Customer satisfaction is our utmost objective.

Lamello products must always pay off! Our products enable our customers to work more flexibly, productively and effectively than ever before. Our high-quality products are based on continuous innovations and deep-rooted expertise. We are still down to earth. We develop and manufacture our products in Switzerland and sell our solutions all over the world.



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

## We particularly value:

### **Customer satisfaction**

Products and system solutions are only as good as their practical function. Therefore, Lamello is eager to win over its customers anew, every day, every week, all year long. Lamello's technology brings you much benefit, enhancing your competitiveness on the global market, your productivity and providing you with new inspirations for design and creativity.

### **Quality, precision and reliability**

You can rely on our well-trained and committed staff. We come with extensive experience in the field of high-quality joining and wood machining technology and are equipped with a modern machine outfit.

### **New approaches and opportunities**

As with Invis Mx and the P-System we provide state-of-the-art technology and solutions that are both stunning and unique. Our comprehensive expertise is based on more than 60 years of experience, we are curious and experimental and love working closely with our customers.

### **Longevity and efficiency**

We are focussed on practical function and provide compromise free product developments, designs and constructions. The results are machines with low-wear technology, smart designs and simple handling mechanisms.

### **System solutions**

Lamello's services do not simply end with the individual product. We provide complete systems and applications to meet your personal requirements, true to our motto: «One part made to complement the other.»

### **Environment**

Products and systems by Lamello have always been designed for longevity and reliability. This legendary durability saves precious resources and protects the environment by diminishing waste. Also, strict environmental regulations at our production site in Switzerland ensure that all resources are used with consideration, many of them stemming from sustainable husbandry and management.





As a leading manufacturer of precision connection systems, Lamello's P-System (Profile groove system) sets the benchmark for the connection of work pieces and fittings. The special feature of this new system is its form fitting anchorage system, which completely avoids the need for adhesives or screws. The great benefit for users is the simple mounting procedure of the fittings, which may be assembled manually without any tools and within a few seconds. A patent is pending for the P-System all around Europe and the world, and is expected to be granted soon.

«We are striving  
for solutions which  
are fundamentally  
new in wood joining,  
and which can help  
users to enhance  
both their creativity  
and productivity.»



Erich Zeller, Managing Director, Lamello AG

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# Joining

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

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





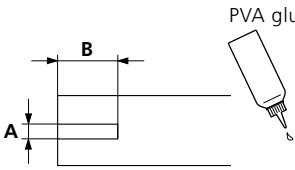


# Lamello joining technology – Lamello System

Matching machines: Classic X, Top 21


## Original wooden Lamello biscuits

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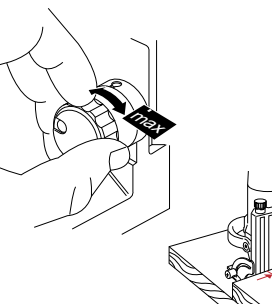


PVA glue


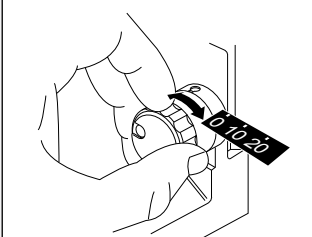
	S6	20	10	0	H9
A	4	4	4	4	3
B	20	12.3	10	8	7




**S6**  
S6: 85 × 30 × 4 mm

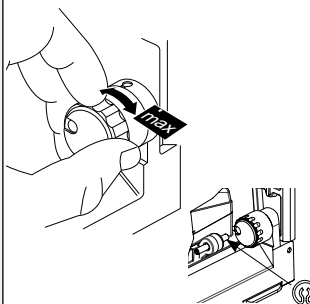
**20, 10, 0**  
20: 56 × 23 × 4 mm  
10: 53 × 19 × 4 mm  
0: 47 × 15 × 4 mm

**H9**  
H9: 38 × 12 × 3 mm



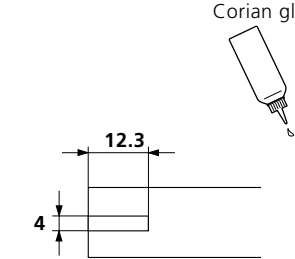
**Carbide tipped cutter:**  
Ø 78 × 3 × 22 mm  
Art.No. 132009





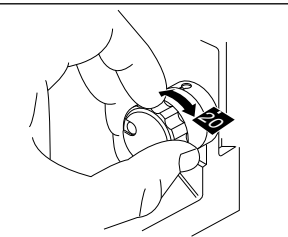
## C20 Biscuit for solid surface

60 × 23 × 4 mm

p. 43



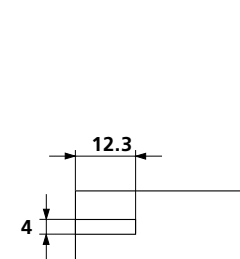


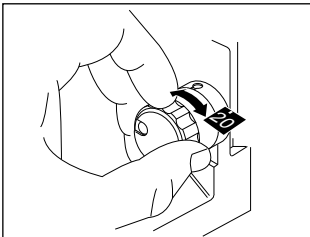
Corian glue

## K20 Clamping element

60 × 24 × 4.5 mm

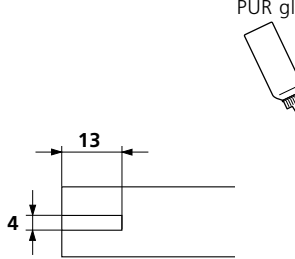
p. 42


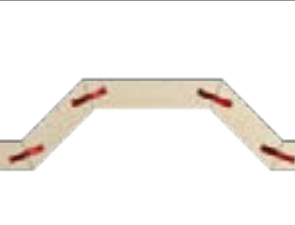
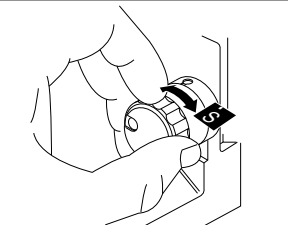
## Champ Slide-in connector

64 × 26 × 4 mm

p. 42



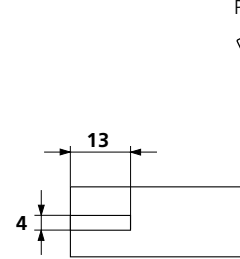
PUR glue



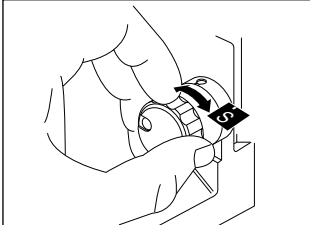
## Simplex Detachable slide-in connector

54 × 23 × 4 mm

p. 43



PUR glue



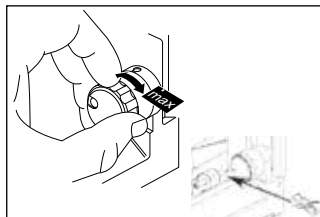
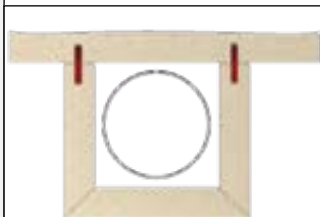
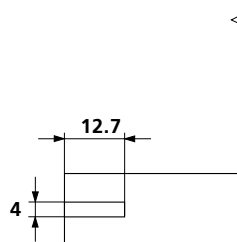
**Standard carbide tipped cutter:**  
 $\varnothing 100 \times 4 \times 22 \text{ mm}$  /  
 Art.No. 132000 / 132106



## Metal Detachable slide-in connector

57.2 × 25.4 × 4 mm

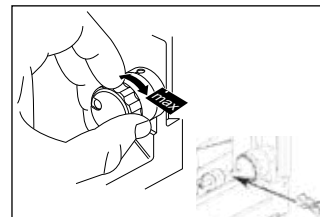
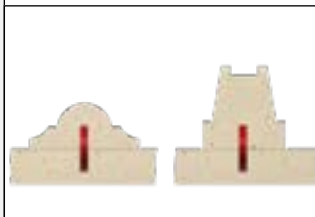
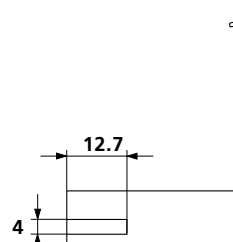
p. 42



## Fast Clip-in connector

56 × 25.4 × 4 mm

p. 42

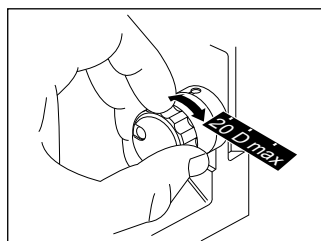
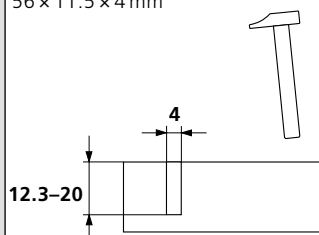


## E20 Self-clamping element

p. 41

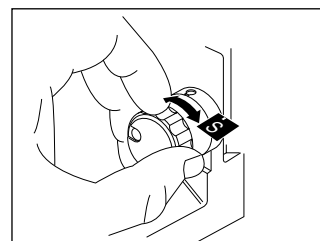
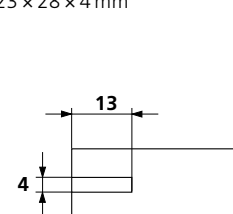
### E20L

56 × 11.5 × 4 mm



### E20H

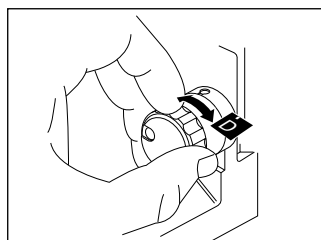
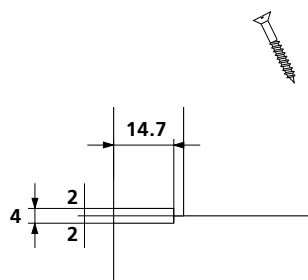
23 × 28 × 4 mm



## Duplex Furniture hinge

66 × 29 × 4 mm

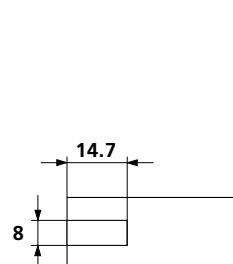
p. 43



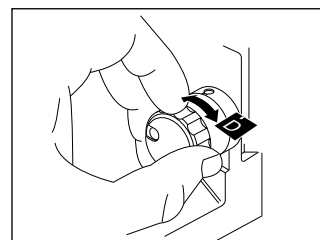
## Clamex S Connector with screw insertion

66 × 29 × 8 mm

p. 40



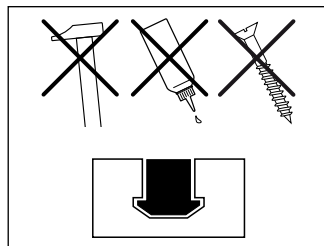
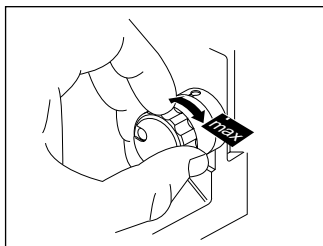
**Carbide tipped cutter with reversible blades:**  
 $\varnothing 100 \times 8 \times 22 \text{ mm}$   
 Art.No. 132108





# Lamello joining technology – P-System

Matching machine: Zeta P2



**P-System carbide tipped cutter**

Ø 100.9 × 7 × 22 mm

Art.No. 132141

**P-System diamond dipped cutter**

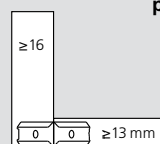
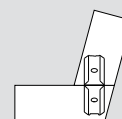
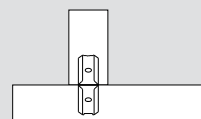
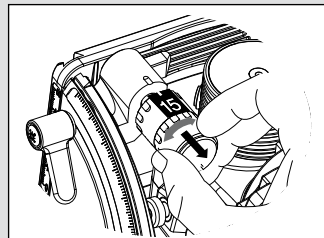
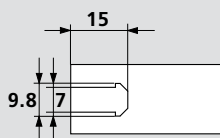
Ø 100.4 × 7 × 22 mm

Art.No. 132140

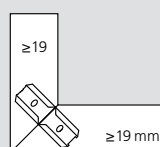
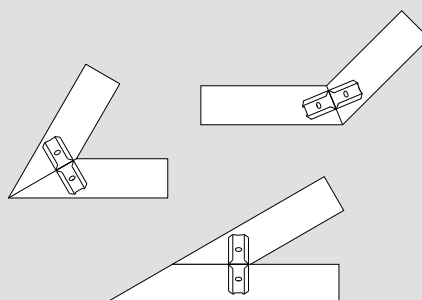


## Clamex P-15 – Connector with slide insertion, for panels from 16mm

66 × 29 × 10 mm



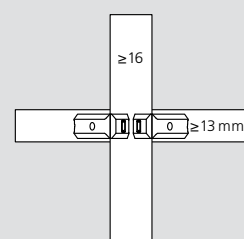
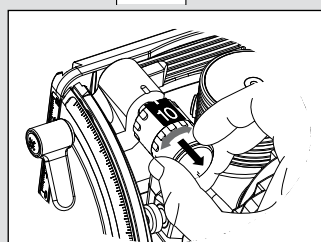
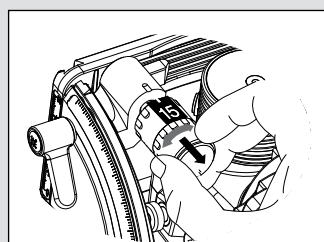
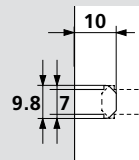
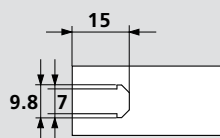
p. 24



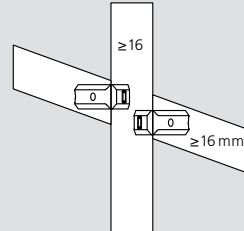
## Clamex P Medius – Connector for dividing panels

66 × 14.5 × 9.7 mm

52 × 7.5 × 9.7 mm



p. 24



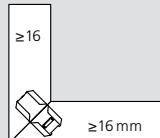
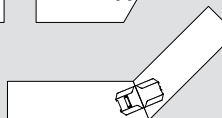
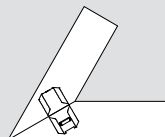
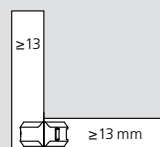
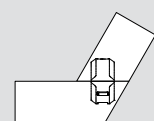
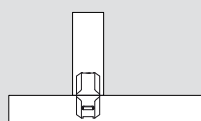
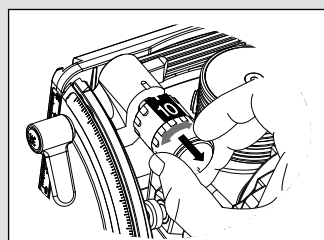
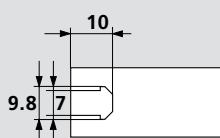
## Clamex P-10 – Connector with slide insertion for panels from 13 mm

52 × 19 × 9.7 mm

**Typical application:** – 45° mitre connections in 15/16 mm panels

– 90° connections in 13 mm panels

p. 25



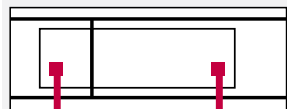


# Lamello joining technology – Invis Mx-System

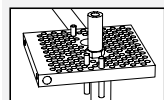
**Invis Mx joiner set** – completely hidden, magnet-driven connector

p. 48

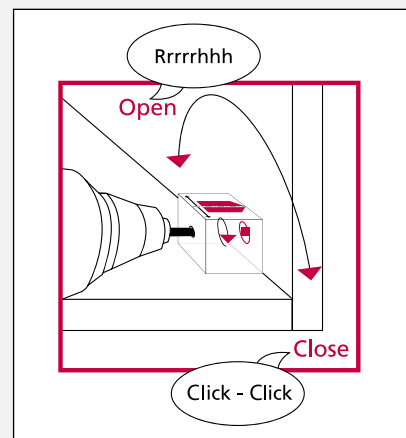
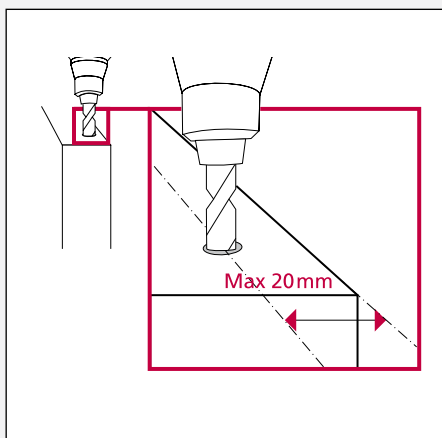
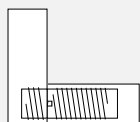
Ø 12 × 13.5 mm, Ø 12 × 29 mm



Ø 12 × 14 mm, Ø 12 × 30 mm



Rasto 126002



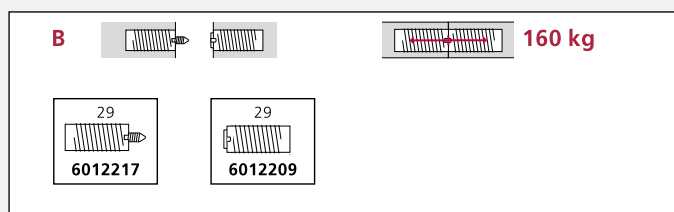
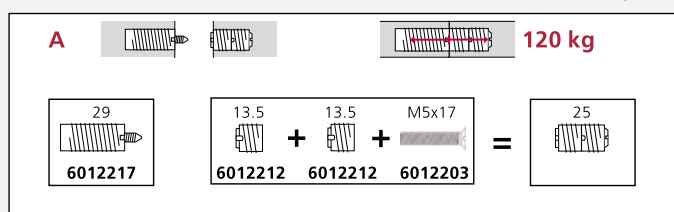
## Invis Mx joining element + stud 30 mm

p. 48

Ø 12 × 29 mm, Ø 12 × 29 mm



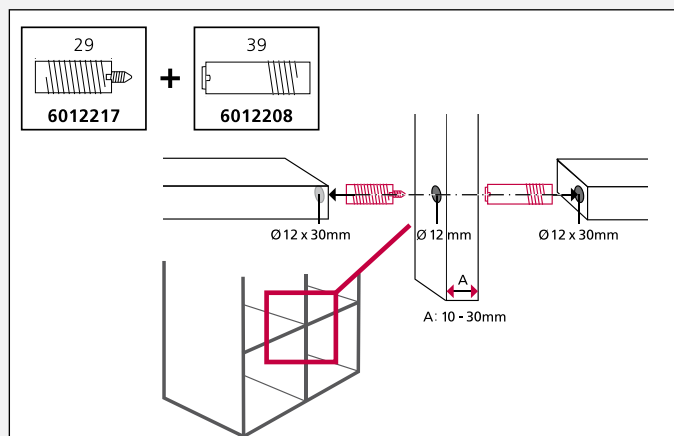
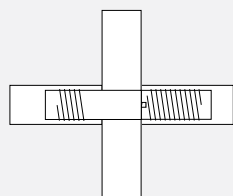
**Typical application:** – Increasing the tensile strength  
– Connecting particle board panels  
– Table leg connections



## Invis Mx dividing panel stud for panels 10 – 30 mm

p. 48

Ø 12 × 39 mm, Ø 12 × 29 mm



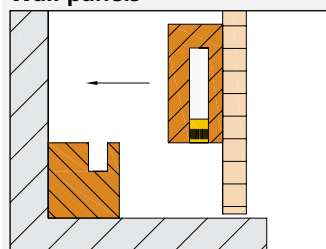
## Pinlock

Ø 8 × 38 mm

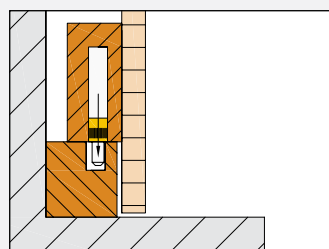


p. 48

### Wall panels

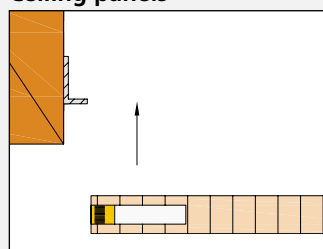


1. Position the panel with the preinstalled Pinlock into the gap in the wall

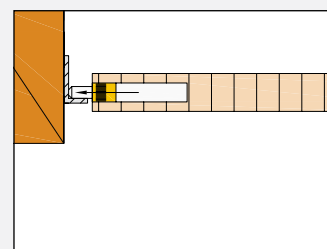


2. Move the PinLock forward into the opposite groove by rotating the MiniMag Mx

### Ceiling panels



1. Position the ceiling panel between the beams

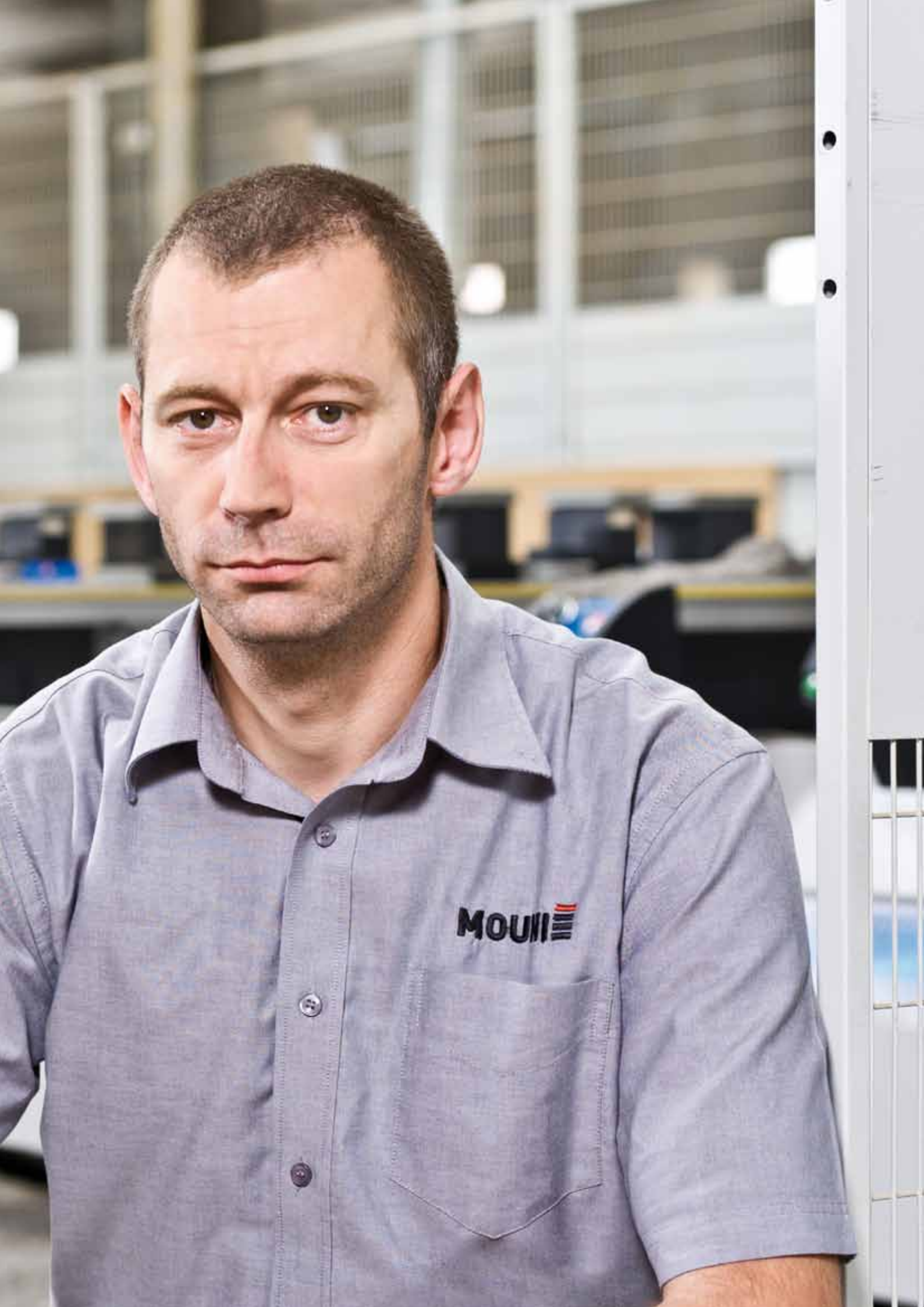


2. Move the PinLock forward onto the opposite metal piece by rotating the MiniMag Mx

# P-System

«Because we can produce faster and more cost-effective with the P-System, we are able to enter new markets like custom-made interior fitting elements with ready-to assemble solutions. It is simply brilliant!»

Georges Ferrand, production manager of Mounié in Besançon, France





# Joining with the **P-System**



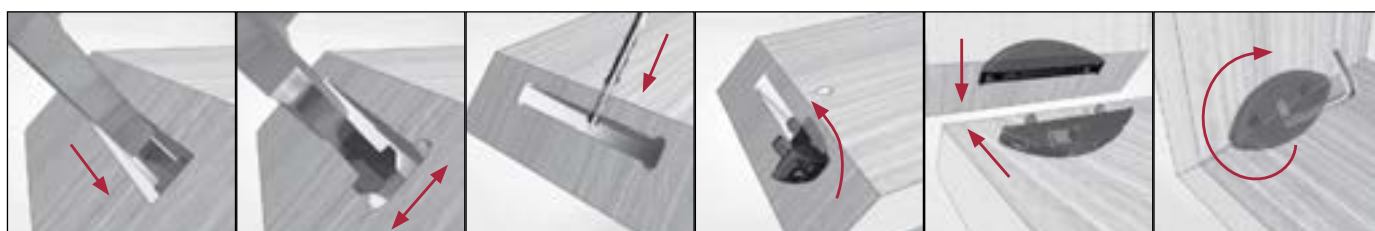
Joining





# Form-locking, tool-free installation of connectors

## How it works



## Advantages and properties

### Versatile



The small element depth allows for mitres from 30 – 180°, surface, corner and dividing panel connections

### Aesthetic



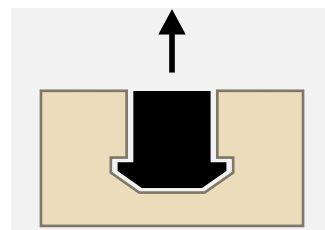
The small, hardly visible opening ( $\varnothing = 6 \text{ mm}$ ) serves to close and open the connector

### Detachable



Open the connection time and time again due to the rotating lever

### Strong



Connectors are made of high performance plastic and are anchored in the wood with a form fit

### Fast



Insert connector without tools and connect only with an allen key

### Stackable



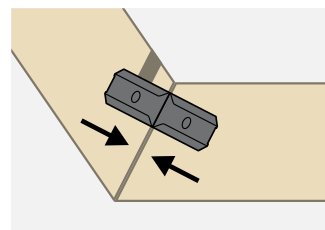
No protruding parts in the surface – for efficient transporting without damage

### No torsion



Two studs prohibit rotation and make further elements such as dowels superfluous

### Clamping force











Clamp and glue work pieces in any angle (Clamex P-15 ~100 kg)

# Applications – serial production

## Products

Sideboards | shelves | cupboards | display cases |  
TV furniture | etc

## Why Clamex P

<input type="checkbox"/>		Versatile	<input checked="" type="checkbox"/>		Fast
<input checked="" type="checkbox"/>		Aesthetic	<input checked="" type="checkbox"/>		Stackable
<input checked="" type="checkbox"/>		Detachable	<input checked="" type="checkbox"/>		No torsion
<input checked="" type="checkbox"/>		Strong	<input type="checkbox"/>		Clamping force

## Clamex P offers you

- Differentiation from furniture standards
- Advantages in logistics with stackable furniture parts with already installed connectors
- Short assembly times in the factory or on site










# Applications – individual production

## Products

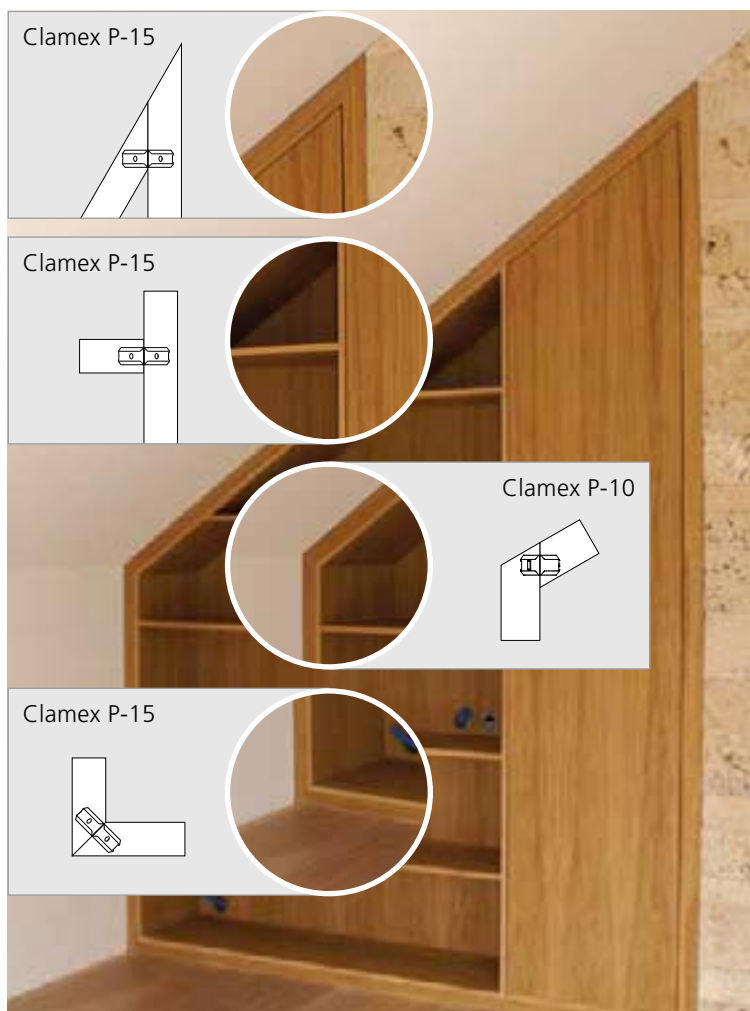
Interior fitting | cupboards | door frames 45° | tables | beds |  
boat interiors | kitchen bench tops | counters | etc

## Why Clamex P

<input checked="" type="checkbox"/>		Versatile	<input checked="" type="checkbox"/>		Fast
<input checked="" type="checkbox"/>		Aesthetic	<input type="checkbox"/>		Stackable
<input checked="" type="checkbox"/>		Detachable	<input type="checkbox"/>		No torsion
<input checked="" type="checkbox"/>		Strong	<input checked="" type="checkbox"/>		Clamping force

## Clamex P offers you

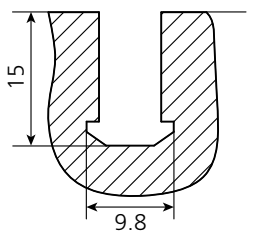
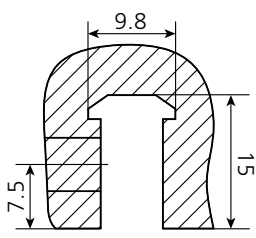
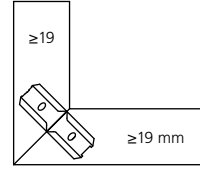
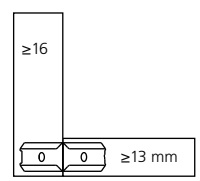
- Strong connections in all angles
- Superior aesthetics
- Clamping aid in the workshop or on site





# Clamex P-15

Connector for panels from 16 mm



## Technical data

Size.....	66 x 29 x 10 mm
Cutter.....	Ø 100.4 x 7 x 22
Material of connector.....	fibreglass reinforced plastic
Material of lever.....	zinc die cast
Installation tolerance .....	longitudinal ± 1.5 mm
Tensile strength:	
Particle board.....	~ 800 N ≈ 80 kg
Solid hardwood.....	~ 1300 N ≈ 130 kg

## Clamex P-15

## Art.No.

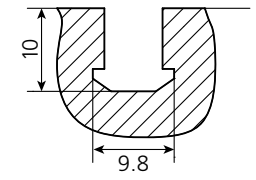
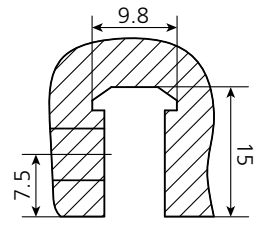
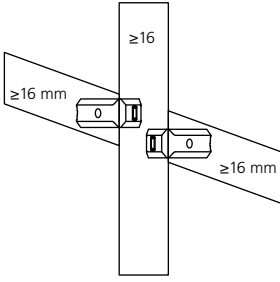
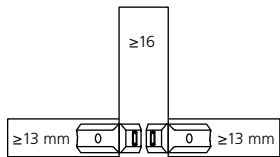
Pack with 18 pairs.....	<b>145332</b>
Carton with 80 pairs .....	<b>145337</b>
Carton with 300 pairs .....	<b>145342</b>
Carton with 1000 pairs .....	<b>145352</b>

Drill jig Clamex P-15 / Medius.....	<b>125340</b>
-------------------------------------	---------------

Accessories see page 83

# Clamex P-Medius 15/10

Dividing panel connector



## Technical data

Size.....	66 x 14.5 x 9.7 mm
	52 x 7.5 x 9.7 mm
Cutter.....	Ø 100.4 x 7 x 22
Material of connector.....	fibreglass reinforced plastic
Material of lever.....	zinc die cast
Installation tolerance .....	longitudinal ± 1 mm
Tensile strength:	
particle board.....	~ 600 N ≈ 60 kg
solid hardwood.....	~ 1100 N ≈ 110 kg

## Clamex P Medius 15/10

## Art.No.

Carton with 80 pairs .....	<b>145377</b>
Carton with 300 pairs .....	<b>145378</b>

Drill jig Clamex P-15 / Medius.....	<b>125340</b>
-------------------------------------	---------------

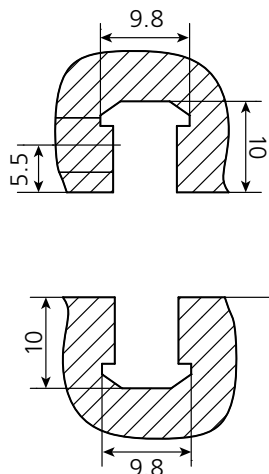
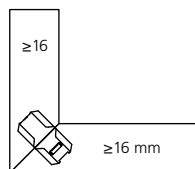
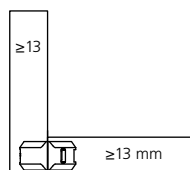
Accessories see page 83





# Clamex P-10

Connector for panels from 13 mm



## Technical data

Size.....	52 x 19 x 9.7 mm
Cutter.....	Ø 100.4 x 7 x 22
Material of connector.....	fibreglass reinforced plastic
Material of lever.....	zinc die cast
Installation tolerance.....	longitudinal ± 0.5 mm
Tensile strength:	
particle board.....	~ 550 N ≈ 55 kg
solid hardwood.....	~ 1200 N ≈ 120 kg

## Clamex P-10

## Art.No.

Carton with 80 pairs .....	<b>145382</b>
Carton with 300 pairs .....	<b>145383</b>
Carton with 1000 pairs .....	<b>145384</b>

Drill jig Clamex P-10.....	<b>125341</b>
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Accessories see page 83

P-System

Joining

# Bisco P-15

Aligning element



## Advantages and properties

- **Ideal addition to Clamex P**, fits into the P-System grooves **without requiring a different cutter**
- **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-15

- Separation walls
- Furniture with large depth
- Glueing of workpieces

## Technical data

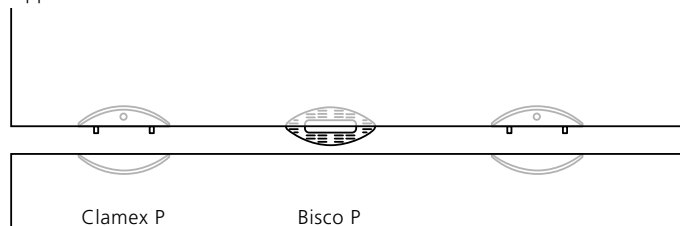
Size.....	65 x 27 x 7 mm
Cutter.....	Ø 100.4 x 7 x 22
Material.....	plastic
Installation tolerance.....	longitudinal ± 2 mm
Tensile strength.....	~ 400 N ≈ 40 kg

## Bisco P

## Art.No.

Carton with 80 pieces.....	<b>145301</b>
Carton with 300 pieces.....	<b>145302</b>
Carton with 1000 pieces.....	<b>145303</b>

Application:



# Zeta P2

The new 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!



0:30

Cut four profile grooves with the Lamello Zeta. Fast and precise by applying on the work piece edge



1:05

Drill two holes with the drill jig, for all angles from 30° – 180°



1:35

Slide the Clamex P connectors into the profile groove by hand without tools!



1:45

Close with an allen key – Finished!

Lamello Zeta P2 is the right investment into your future

## Time saving with every groove!

Improve your profit by lowering your labour cost!



Labour cost  
30 – 40 % \*

Other 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

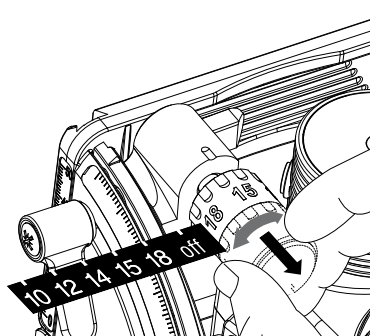
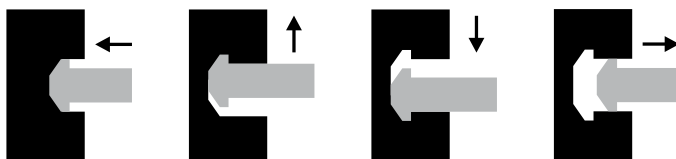
### 2. Storage



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



Vertical mechanical drive (VMD)



#### P-System depth adjuster

- Rotating depth adjuster for cutting 5 P-System depths
- **Depth 15** for Clamex P-15 and Clamex P Medius (larger side)
- **Depth 10** for Clamex P-10 and Clamex P Medius (smaller side)
- **Depth «off»** for groove millings without profile groove = for standard biscuit joiner
- Additional depths for future P-System elements



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 19 more applications (see page 34)

#### Technical data

Power .....	800 W
Voltage .....	230 V
Speed .....	9'000 min <sup>-1</sup>
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

#### Zeta P2-Set

#### Art.No.

with carbide tipped profile groove cutter .....	<b>101402</b>
with diamond tipped profile groove cutter .....	<b>101402D</b>

#### Kit contains

Machine with:

Profile groove cutter 7 mm, Stop square, Suction stub 23 mm, Suction stub 36 mm, Spacer 4 mm, Spacer 2 mm, Tools, Drill jig incl. drill for Clamex P, P-System joiner set, Wooden case

Accessories see pages 82, 83, 85, 88

### 3. Delivery: in parts

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

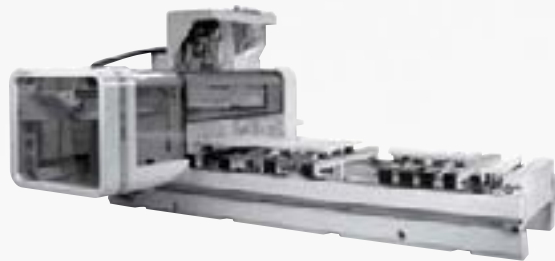


### 4. Assembly on site

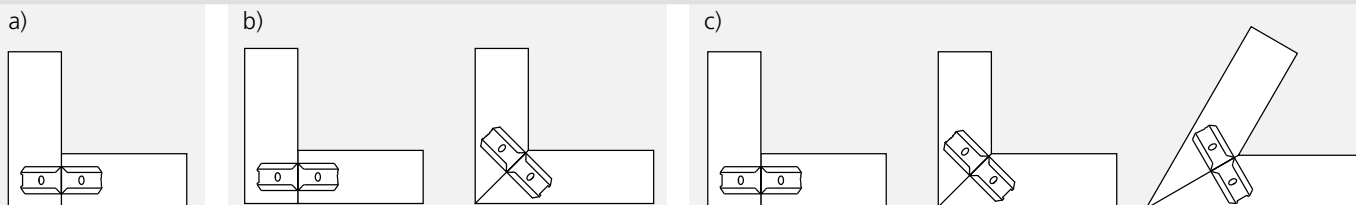
- **Fast and efficient assembly** with an allen key
- **No waiting time after clamping the glue joint**

# CNC machines

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

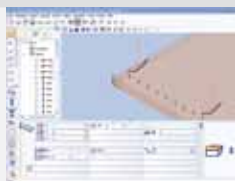


## 1. CNC processing center



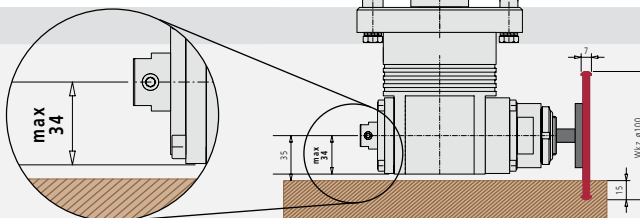
- a) Machine with 3 axes + aggregate
- b) Machine with 4 axes + adjustable aggregate
- c) Machine with 5 axes

## 2. CNC software



- Buy software and macro from the manufacturer
- Program the macro yourself

## 3. Matching aggregate



## 4. Lamello CNC tooling



	Art.No.
<b>Cutter for Clamex P</b> .....	<b>132142</b>
DP, 100.4 x 7 x 30 mm, 4 / 6.6 / DTK 48 mm	
<b>Cutter arbor 30 / DTK 48 mm</b>	
16 x 80 mm.....	<b>132152</b>
20 x 90 mm.....	<b>132150</b>
25 x 90 mm.....	<b>132151</b>
<b>CNC drill</b> .....	<b>131556</b>
6mm, with carbide shaft, for mitres, L = 100 / 35 mm, shaft = 10	

## Advantages in the production process

### 1. P-System groove with CNC



- Same profile groove for both work pieces
- Short process time
- 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



# CNC partners

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

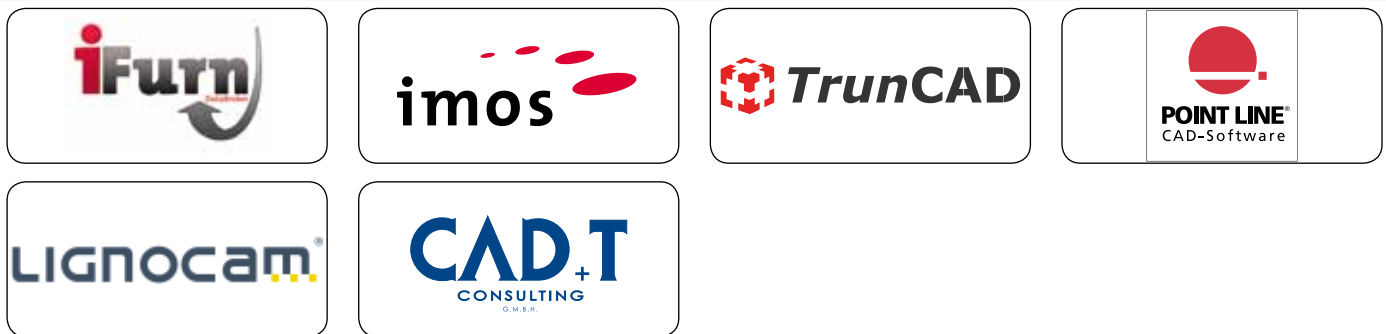
## Partners for CNC-technology



## Partners for aggregates



## Partners for software



## Partners for tooling



### 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

# Lamello-System

«Quality and unique design is our motto. To accomplish this, Lamello assists us with competent advice.»

from left to right: Danny van Hecke and Pieter van Hecke, CEO of Cibo in Pittern, Geert van Hecke, three-star chef at the restaurant «de Karmeliet» in Brugge, Belgium





# Joining with the **Lamello System**

Joining





# An exceptionally efficient, simple and precise joining system for panels

## How it works



1. Cut grooves



2. Apply glue



3. Insert biscuits

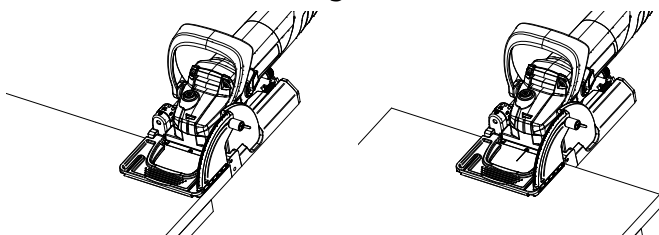


4. Clamp work piece

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

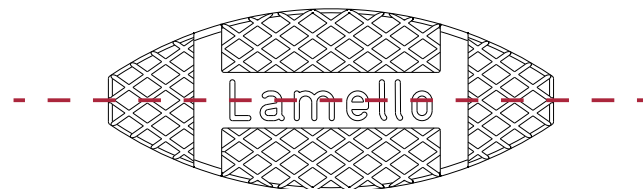
## Advantages and properties

### Fast – Lateral sliding tolerance



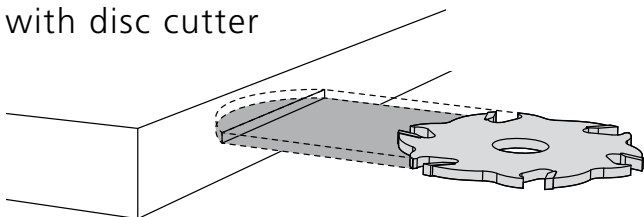
- **Easy positioning** of the machine to the pencil mark
- **No additional side stops or positioning aids necessary**
- **Great flexibility** when assembling, possibility to join panels by sliding together from different angles – not just perpendicular unlike dowels (see large picture left)

### Easy – Same groove depth for both sides



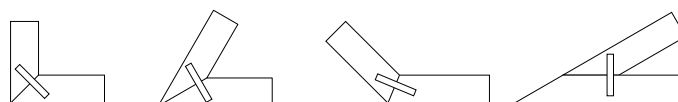
- No changing of the cutting depth means **less room for error**
- **Saves time** with every joint

### 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

# Versatile application with 15 joining elements ...



**Only one tool** for 13\* different joining elements  
– **without tool change**

**Original wooden biscuits**  
20\*



10\*



0\*



**The large wooden Lamello biscuit S6\***



**E20-L\***

Self-clamping element



**E20-H\***

Self-clamping element



**K20\***

Clamping element



**C20\***

Solid surface element



**Simplex\***

Slide-in connector to be glued  
with PUR glue



**Metal\***

Detachable slide-in connector  
with screw insertion



**Champ\***

Slide-in connector to be glued  
with PUR glue



**Fast\***

Detachable clip-in connector  
with self-cutting edges



**Duplex\***

Furniture hinge



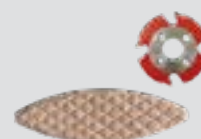
**Clamex S-18**

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

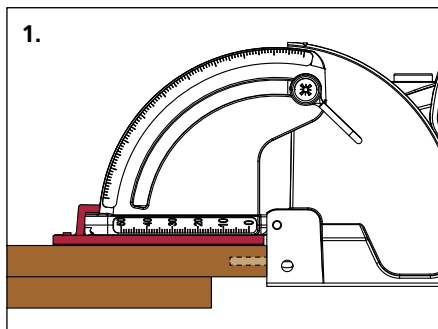
### Swivelling front with fixed rotational point

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

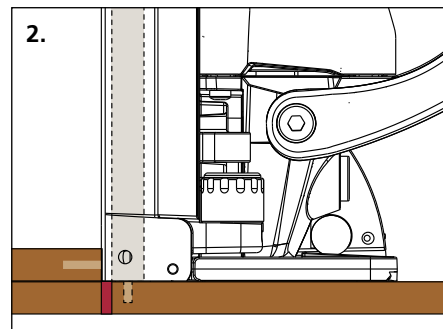
Allows alternating the application surface from the swivelling front 1. to the baseplate 2., especially important when cutting thin dividing panel connections



- **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 center)



**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



New baseplate – both sides flush



Central lock

## Versatile applications



Joint with biscuits



Joint with Clamex S



Groove for Duplex-hinges



## Advantages and properties

- New motor, powerful 780 W, ergonomic slim shape
- New base plate: both sides flush 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 35)
- Multifunctional stop square (see p 35)
- Versatile use, with the possibility for 19 more applications (see p 34–35)
- 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 <sup>-1</sup>
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 C3

## Art.No.

in wooden case .....	101600
in systainer .....	101600S
in carton .....	101600K

## Kit contains

Machine with:  
Carbide tipped cutter, suction stub 36 mm, stop square, spacer 4 mm, set of tools, manual, wooden case or systainer or carton

Accessories see pages 82, 83, 85, 88



# Top 21

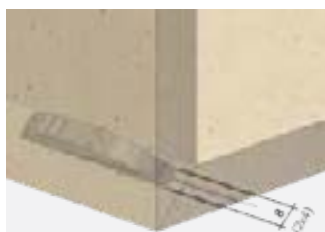
The original biscuit joiner with height adjustable blade from the inventor of biscuit joiners. Choose Lamello for precision, reliability, longevity and many additional applications



Adjust groove to middle



Off-set work pieces



Double cut for Clamex S



## 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

## 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 .....	<b>101500</b>
in systainer .....	<b>101500S</b>
in wooden case with carbide reversing blade cutter ..	<b>101500WS</b>

## Kit contains

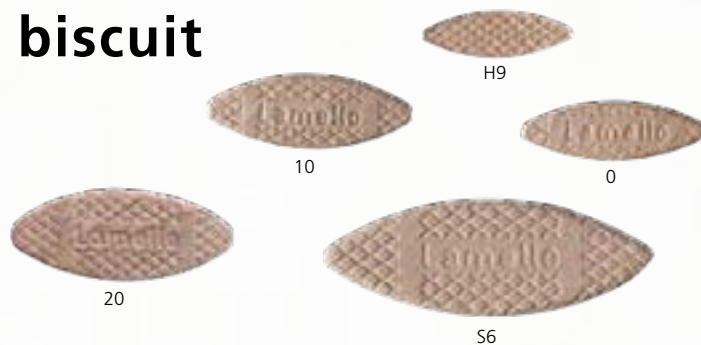
Machine with:

carbide tipped cutter, suction stub 23 mm, stop square, slip-on plate 4 mm, extractor stub 36 mm, dust bag, set of tools, manual, wooden case or systainer

Accessories see pages 82, 83, 85, 88

# The original wooden biscuit

The Original  
Swiss production  
Swiss timber  
Lamello quality



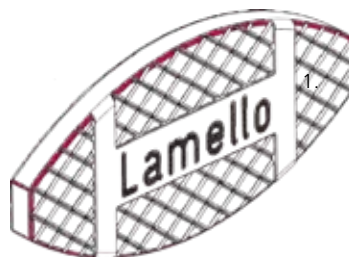
© Logo for genuine Swiss timber  
Lignum-70-0003



## Advantages and properties

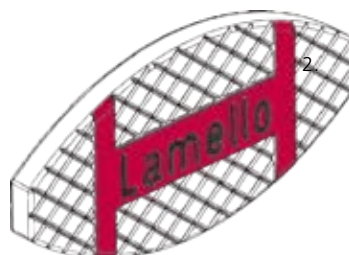
### 1. Rounded smooth edges

- 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 .....	<b>144020</b>
Size 10.....	53 x 19 x 4 mm .....	1000 pieces .....	<b>144010</b>
Size 0.....	47 x 15 x 4 mm .....	1000 pieces .....	<b>144000</b>
Size S6.....	85 x 30 x 4 mm .....	1000 pieces .....	<b>144006</b>
Size H9 .....	38 x 12 x 3 mm .....	1000 pieces .....	<b>144009</b>
Size 20, 10, 0.....	assorted .....	1000 pieces .....	<b>144030</b>
		(500, 250, 250)	
Size 20, 10, 0.....	assorted .....	400 pieces .....	<b>144032</b>
		(240, 80, 80)	

## Wood biscuits

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

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

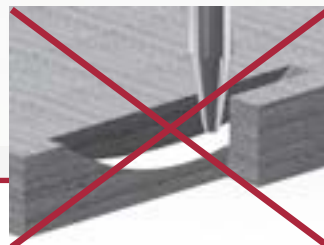
- For 4 mm grooves
- Nozzle facing downwards in the stand for quick use
- Bottle base prevents the glue from drying up in the nozzle
- Volumetric capacity: 300 ml (3 dl)
- Glue application on the sides



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



**Servicol:** glue applicator with a simple base



Glue application on the sides

### Glue applicator Minicol

#### Art.No.

Minicol Mod. KS .....with plastic nozzle..... **175500**

Minicol Mod. M .....with metal nozzle..... **175550**

### Glue applicator Servicol

#### Art.No.

Servicol Mod. KS .....with plastic nozzle..... **175560**

Servicol Mod. M .....with metal nozzle..... **175570**

Servicol Mod. X .....with 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**

## 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)



### Glue applicator Dosicol

#### Size

#### Art.No.

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

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

### Advantages and properties

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



### 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

### Parts

### Quantity

#### Art.No.

Clamps..... 2 pieces ..... 5 m polyester belt ..... **175005**

8 m polyester belt ..... **175008**

Buckle for clamps ..... 1 piece .....without belt ..... **175060**

Polyester belt for clamps ..... 1 Rolle .....of 50 m ..... **175050**

Tension hooks ..... 2 pieces ..... **175200**

Profile sections ..... 4 pieces .....length 12 cm ..... **175401**

length 40 cm ..... **175402**

length 60 cm ..... **175403**

# Clamex S connector

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



Flexible



Stackable



Aesthetic



Detachable



## 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 to the surface, so ideal for flat packing
- Easy installation with any Lamello biscuit joiner

## Applications of Clamex S

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

## Technical data

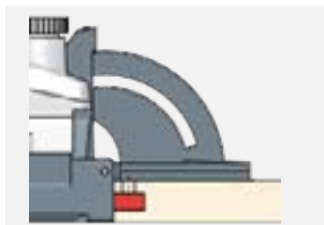
Size.....	66 x 29 x 8 mm
Cutter.....	Ø 100 x 8 x 22
Material of connector.....	fibreglass reinforced plastic
Material of lever.....	zinc die cast
Installation tolerance .....	longitudinal ± 1.0 mm (max. ± 1.25 mm)

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

Accessories see pages 82, 83

## How it works

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



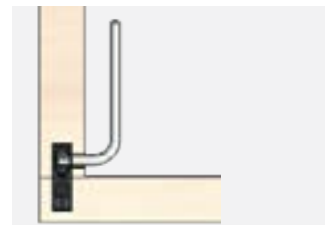
1. Cut groove, 8 mm



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 .....	<b>145021</b>
	400 pieces .....	<b>145026</b>
	1200 pieces .....	<b>145028</b>
E20-L .....	80 pieces .....	<b>145022</b>
	400 pieces .....	<b>145025</b>
	1200 pieces .....	<b>145027</b>
E20-L / E20-H .....	40 pieces per type .....	<b>145020</b>

### How it works

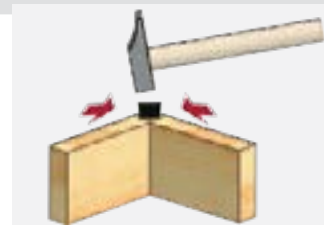
#### E20-H



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 the work
- 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 .....	<b>145120</b>



## 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 .....	<b>145115</b>



## 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 .....	<b>145110</b>



## 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 .....	<b>145001</b>
		250 pieces .....	<b>145000</b>



## C20

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.
Ø 100 x 4 x 22 .....	60 x 23 x 4 .....	250 pieces .....	<b>145010</b>

## Simplex

Detachable slide-in connector

### Advantages and properties

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

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 .....	<b>166101</b>
		100 pair .....	<b>166100</b>
Inserting tool for Simplex (For accurate positioning of Simplex) .....			<b>166110</b>



## Duplex

Furniture hinge

### Advantages and properties

Aesthetic detachable hinges in two pieces, easy cutting with the biscuit joiner



Material	Cutter	Version	Quantity	Art.No.
nickel plated . Ø 100 x 4 x 22 .....		left .....	20 pieces .....	<b>166011</b>
		right .....	20 pieces .....	<b>166012</b>
		links and right .....	10 pieces each .....	<b>166013</b>
black..... Ø 100 x 4 x 22 .....		left .....	20 pieces .....	<b>166021</b>
		right .....	20 pieces .....	<b>166022</b>
		left and right .....	10 pieces each .....	<b>166023</b>
brass..... Ø 100 x 4 x 22 .....		left .....	20 pieces .....	<b>166001</b>
		right .....	20 pieces .....	<b>166002</b>
		left and right .....	10 pieces each .....	<b>166003</b>

# Invis Mx

«I am impressed at 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 Mx System**

Joining





# Magnet driven connections

## Invisible as if glued, versatile as if screwed!

### How it works



1. Position pins and drill the leg



2. Screw in the joiners



3. Drill the table top with the same pin setting



4. Screw in the studs



5. Join with the MiniMag Mx

### The new generation offers even more!

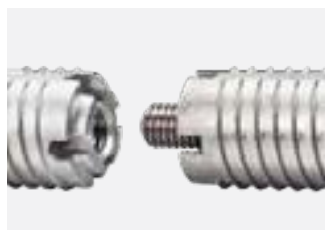
#### Fast



#### Open the joint again and again

The joiner opens with its magnet drive

#### Powerful



#### Powerful, mechanical connections

160 kg clamping force per joiner through the M5 stainless steel screw

#### Easy

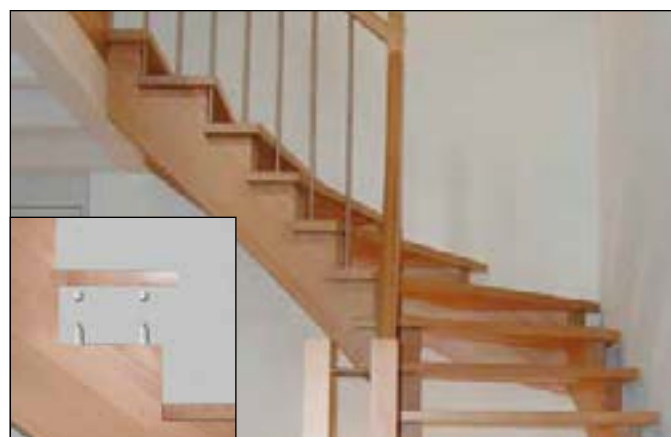


The installation tolerance allows for **easy handling** when inserting

#### Clamps

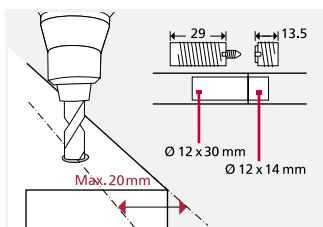


Well-clamped joints **without the need for standard clamps**

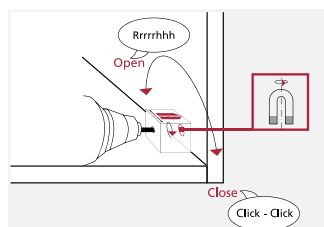


# Invis Mx

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



Drill



Close and Open

## How Invis Mx works

- The MiniMag Mx attaches to any standard drill with **1200 – 1500 min<sup>-1</sup>**.
- The rotating magnetic field of the MiniMag Mx drives the joining element just as one cogwheel drives another.
- The screw within the joining element threads itself into the inside thread of the stud, driven by the contact-free magnetic field.
- To open the connection, simply change the drill direction.

Save time!

Fast and easy installation



1. Drill 12mm holes



2. Insert joiner and stud



3. Assemble and join!



4. Open the connection again and again!



Invis Mx Starter Kit



MiniMag Mx Kit



Joiner set



Stud 30 mm



Joining element



Centerwall-stud up to 30 mm



Stud 14 mm



Screw bit



Connecting screw  
M5 x 17 mm (left-thread)



Flexible shaft for MiniMag Mx



Pinlock 8 x 38 mm

## Applications of Invis Mx

- Tables
- Shop fitting
- Boat interiors
- Quality furniture
- Shelves and cupboards
- Hand rails
- Trade shows
- Stairs

## Kits

**Invis Mx Starter Kit** ..... **Art.No. 6100203**

In a systainer: 1 MiniMag Mx, 2 screw bits, 1 flexible shaft, 20 pcs Mx joiner sets

**MiniMag Mx Kit** ..... **Art.No. 6100200**

In a cardboard box: 1 MiniMag Mx, 1 screw bit

Parts	Quantity	Art.No.
Joiner set .....	20 pieces .....	<b>6012201</b>
Joining element.....	30 pieces .....	<b>6012217</b>
Stud 14 mm.....	30 pieces .....	<b>6012212</b>
Connecting screw .....	30 pieces .....	<b>6012203</b>
Stud 30 mm.....	10 pieces .....	<b>6012209</b>
Centerwall-stud up to 30 mm .....	10 pieces .....	<b>6012208</b>
Screw bit.....	.....	<b>6112205</b>
Flexible shaft for MiniMag Mx .....	.....	<b>6100204</b>
Pinlock .....	10 pieces .....	<b>6008000</b>



## Applications

### Table legs

Offer your customer an aesthetic and stable table, which can be assembled and taken apart without wear.

### Stair sub constructions / wall panels / room dividers

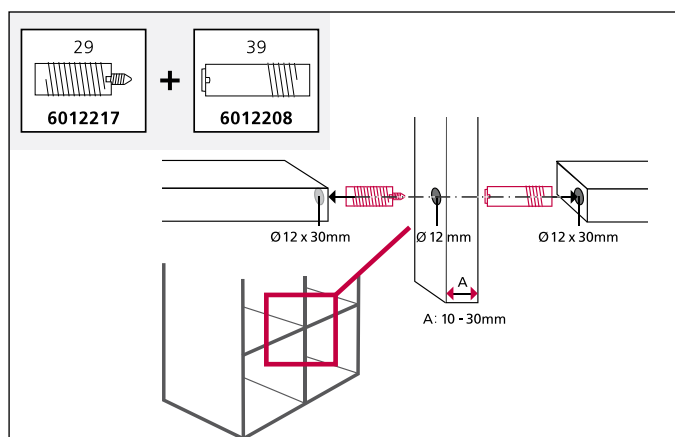
Save time with the self-tightening Invis Mx – without holes, which need to be covered later!

### Built-in cupboards and large furniture

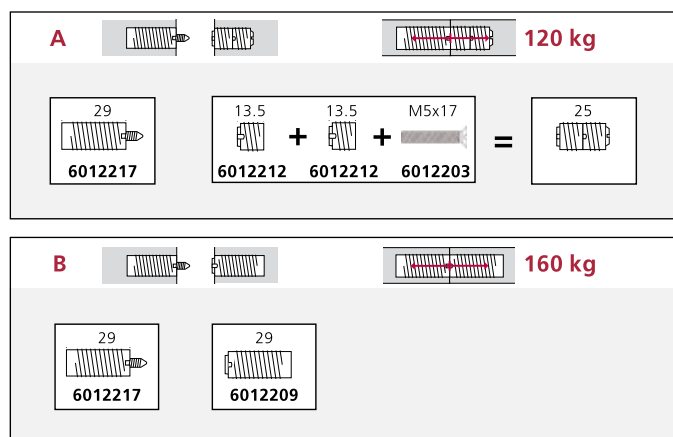
Produce large furniture in parts and connect them invisibly on site (picture [www.thelen.de](http://www.thelen.de))

### Glue aid for high-gloss surfaces

Glue elements with delicate surface without risking marks. Clamp rounded elements on site without complicated clamping methods.



Center wall connection



Increasing the tensile strength (particle board)

# 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



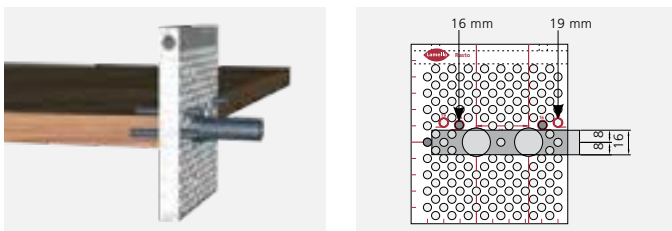
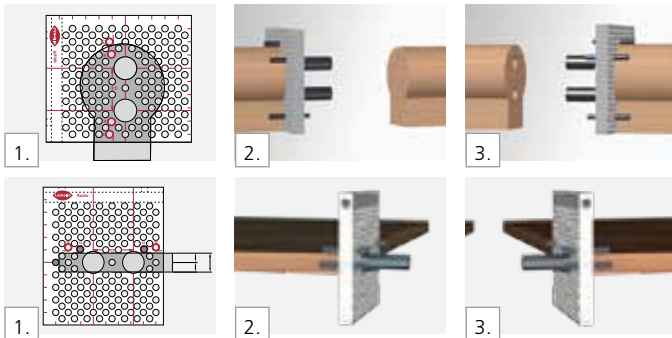
## How Rasto works

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

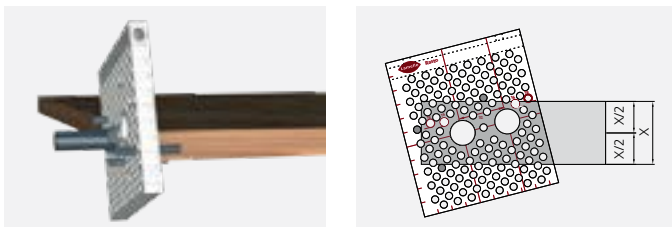
The Rasto concept uses positioning pins as stops instead of measuring the hole position. The holes always align perfectly because the position of the pins is not changed when drilling the second workpiece. The transparency allows for easy set up on the work piece or aligning to a pencil mark. Due to 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

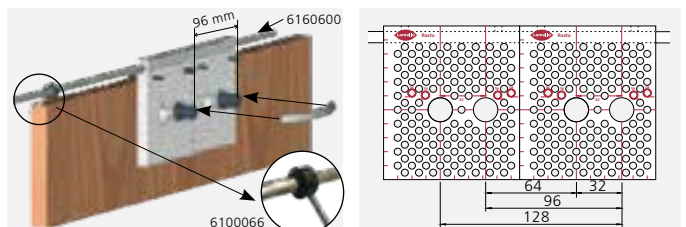


Holes in the centre of any workpiece thickness

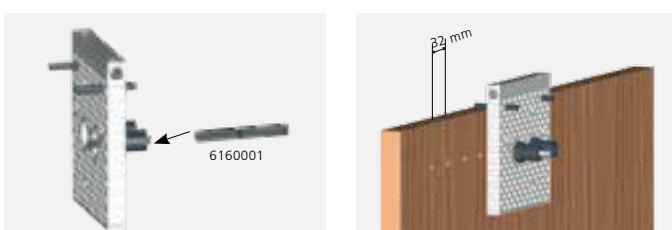


Mitre connections

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



1.



2.



3.



4.



5.

### Application example: cupboard

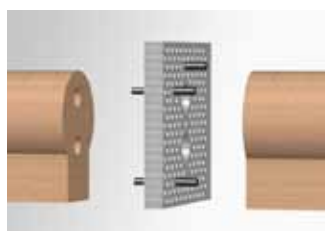
1. Position the pins and drill the side
2. Drill the top with the same pin setting
3. Screw in the joiners and studs
4. Join with the MiniMag Mx
5. Finished cupboard

### Applications of Rasto

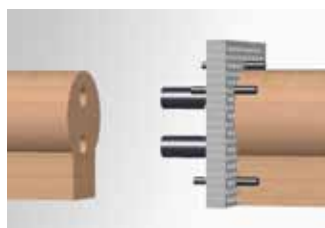
- Kitchen bench tops
- Hand rails
- Corner connections
- All shapes and profiles
- Mitre connections
- Furniture
- Stairs
- Dividing wall connections
- Surface connections



Basic



Mono



Duo



### Rasto

### Art.No.

**Basic Kit** ..... **126005**

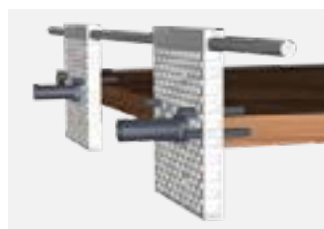
In a cardboard box: 1 transparent jig,  
4 drill bushes Ø 5, 8, 10, 12 mm, 3 positioning pins,  
1 fixing screw

**Mono Kit** ..... **126001**

In a systainer: 1 transparent jig,  
4 drill bushes Ø 5, 8, 10, 12 mm,  
3 spiral drills for wood Ø 5, 8, 12 mm,  
3 positioning pins, 1 fixing screw

**Duo Kit** ..... **126002**

In a systainer: 2 transparent jigs,  
8 drill bushes 2x Ø 5, 8, 10, 12 mm,  
3 spiral drills for wood Ø 5, 8, 12 mm, 6 positioning pins,  
2 fixing screws, 1 connection rod incl. side stop





# Joining with the **Glueing System**

Joining





# 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



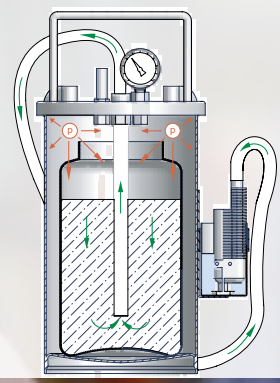
«As fast as possible»  
Save time: apply efficiently with the correct nozzle, minimise cleaning requirement



# Glue applicators

## LK 3, LK 5, LK 10

Glue applicator for water soluble glues



How it works



Nozzles for grooves



Nozzles for surfaces



Pointed nozzle



Nozzles for edges



Kit

### 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 285 x 340 mm
	LK 5 .....	Ø 285 x 465 mm
	LK 10 .....	Ø 360 x 530 mm
Capacity .....	LK 3 .....	3 kg
	LK 5 .....	5 kg
	LK 10 .....	10 kg
Operating pressure.....	1–5 bar	

Typ	Art.No.
LK 3.....	<b>502003</b>
LK 5.....	<b>502005</b>
LK 10.....	<b>502010</b>

### 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 see page 84



LK 3

LK 5

LK 10

# Glue pistols

LK 0, LK 100, LK 110, LK 111

Glue pistols for various applications



LK 110 pneumatic



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

## Additional features for pneumatic pistols LK 110 and LK 111

- Precise adjustment of the desired glue amount
- Stepless adjustment of the glue amount at the pistol
- Stepless adjustment of the glue flow duration using the controlling device

Version	Application	Art.No.
LK 0.....	for manual operation .....	<b>512200</b>
LK 100.....	for pneumatic external operation.....	<b>512210</b>
LK 110.....	pneumatic with controlling station.....	<b>512230</b>
	release at pistol	
LK 111.....	pneumatic with controlling release .....	<b>512240</b>
	through workpiece	
Holder .....	build your own easy glueing station.....	<b>512250</b>
	for LK 111	

Accessories see page 84



LK 0



LK 100



LK 110



LK 111



Holder for LK 111

# Glue nozzles

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



## Advantages and properties

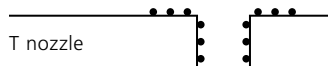
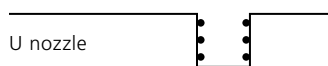
- **Resistance to wear**
- **Smooth gliding surface**
- Surfaces **easy to clean**
- Speedy nozzle changes are made possible with the Bayonet coupling

## for edges



	Size	Art.No.
Brush .....	20 mm .....	<b>512401</b>
	25 mm .....	<b>512402</b>
	30 mm .....	<b>512403</b>
	40 mm .....	<b>512404</b>
	50 mm .....	<b>512405</b>
	60 mm .....	<b>512406</b>
	80 mm .....	<b>512408</b>
Adjustable nozzle .....	10–22 mm.....	<b>512422</b>
	23–42 mm.....	<b>512442</b>
	40–62 mm.....	<b>512462</b>
Adjustable edge roller .....	10–46 mm.....	<b>512446</b>
Pointed nozzle .....		<b>512451</b>
Round nozzle .....	5/4 x 30 mm.....	<b>512454</b>
Adjustable guide .....	0–25 mm for pointed / round nozzle.....	<b>512425</b>

## for grooves



	Size	Art.No.
Groove nozzle .....	12 x 20 mm.....	<b>513001</b>
	14 x 20 mm.....	<b>513002</b>
	18 x 20 mm.....	<b>513004</b>
U nozzle .....	4 x 5 mm.....	<b>513010</b>
	glue outlets only in the groove	
	4 x 8 mm.....	<b>513011</b>
U nozzle with angled connector .....	5 x 12 mm.....	<b>513012</b>
	3 x 5 mm.....	<b>513020</b>
	4 x 8 mm.....	<b>513021</b>
T nozzle .....	5 x 12 mm.....	<b>513023</b>
	4 x 8 x 16 mm .....	<b>513030</b>
	glue outlets in the groove and surface	
T nozzle with angled connector .....	4 x 8 x 22 mm .....	<b>513031</b>
	5 x 12 x 16 mm .....	<b>513032</b>
	4 x 8 x 16 mm .....	<b>513050</b>
	4 x 8 x 19 mm .....	<b>513051</b>
	4 x 8 x 22 mm .....	<b>513052</b>
	5 x 12 x 16 mm .....	<b>513053</b>





## for surfaces

	Size	Art.No.
Surface roller .....	180 mm with rubber roller .....	<b>512602</b>
Replacement roller .....	width 180 mm .....	<b>552610</b>
Porous rubber roller .....	width 180 mm .....	<b>552611</b>
Gluing brush .....	50 x 35 mm .....	<b>512605</b>
Surface nozzle .....	70 mm .....	<b>512607</b>
	120 mm .....	<b>512612</b>
	180 mm .....	<b>512618</b>

## for joints



	Size	Art.No.
Dowel nozzle .....	Ø 6 x 20 mm .....	<b>512801</b>
	Ø 8 x 25 mm .....	<b>512802</b>
	Ø 8 x 32 mm .....	<b>512803</b>
	Ø 3/8" x 30 mm .....	<b>512804</b>
	Ø 10 x 30 mm .....	<b>512805</b>
	Ø 12 x 40 mm .....	<b>512806</b>
	Ø 14 x 40 mm .....	<b>512807</b>
	Ø 15 x 45 mm .....	<b>512808</b>
	Ø 16 x 45 mm .....	<b>512809</b>
	Ø 18 x 50 mm .....	<b>512810</b>
Dowel nozzle, double .....	Ø * mm, A = 32 mm .....	<b>512822</b>
	Other nozzle spacings on request .....	<b>512823</b>
Dowel nozzle, triple .....	Ø * mm, A = 32 mm .....	<b>512827</b>
	Other nozzle spacings on request .....	<b>512828</b>
Lamello nozzle .....	Size 0–20 .....	<b>512846</b>
Tongue nozzle .....	70 x 30 x 4 mm (plastics) .....	<b>512854</b>
Slot nozzle .....	8 x 20 x 40 mm .....	<b>512860</b>
	8 x 40 x 40 mm .....	<b>512861</b>
	10 x 20 x 40 mm .....	<b>512862</b>
Universal tongue .....	30 x 100 x 4.5 mm .....	<b>512870</b>
	50 x 110 x 4.5 mm .....	<b>512871</b>
Roller nozzle .....	20 mm ..... Ø 7 mm .....	<b>512878</b>
	25 mm ..... Ø 7 mm .....	<b>512879</b>
	50 mm ..... Ø 7 mm .....	<b>512875</b>
	50 mm massive ..... Ø 7 mm .....	<b>512876</b>
	75 mm ..... Ø 9 mm .....	<b>512877</b>
Minispot-nozzle .....	Size 2 .....	<b>512888</b>
	Size 20 .....	<b>512892</b>

\* according to your requirements

# Repairing

«We work 18 hours daily,  
six days a week.  
For this we only use the  
best machines.»

Markus Tröbinger, QA staff of Holzindustrie Pfeifer GmbH & Co KG in Imst, Austria









# Repairing with the **Minispot System**

Repairing





# 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 Minisport grooving machine to cut grooves for patches sizes 2, 4, 22, 8, 15, 20



Cutting defects



See-through cover



Stop square



Milling jig for Minisport 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 or 120 V
Speed .....	10'000 min <sup>-1</sup>
Max. groove depth .....	20 mm
Weight .....	4.4 kg

## Minisport G20 S2

**Art.No.**

in wooden case ..... **111750**

## Kit contains

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

## Accessories

**Art.No.**

**Stop square** for edge patches ..... **121755**  
**für G20 S2**

To cut Minisport-grooves in edges  
(from the year of manufacture 2005)

**Milling jig** for Minisport patching rods ..... **121702**

85 / 250 / 500 mm

**für G20 / G20 S2 / G2A / G22**

more accessories on page 85



# 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 .....	750 W
Version .....	230 V or 120 V
Speed .....	10'000 min <sup>-1</sup>
Cutter .....	Carbide tipped Minispot cutter size 2
Max. groove depth .....	8 mm
Weight .....	3.1 kg

## Minispot G2A

## Art.No.

in wooden case .....	<b>111702</b>
----------------------	---------------

## Kit contains

Machine with:  
carbide cutter, set of tools, manual, wooden case

## Accessories

## Art.No.

<b>Milling jig</b> for Minispot patching rods .....	<b>121702</b>
85 / 250 / 500 mm	
<b>für G20 / G20 S2 / G2A / G22</b>	

more accessories on page 85



# Patchmaker 2

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



## 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



### Step 1:

Wood piece 72 × 25 × 10 mm



### Step 2:

Cut profile



### Step 3:

Cut profile



### Step 4:

Cut off the wood patch

## Technical data

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

## Patchmaker 2

## Art.No.

111600

## Kit contains

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

Accessories see page 85



# 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

- **Special 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 <sup>-1</sup>
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 wooden case..... **111851**

## Kit contains

Machine with:  
set of tools, manual, wooden case

Accessories see page 87

# Patches

## Patches

To patch wood defects and damaged areas



on request

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
	8	8	11	64	500

### Other wood species are:

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

Wood species	Size 2 100 pieces Art.No.	Size 2 500 pieces Art.No.	Size 20 160 pieces Art.No.
Spruce-fir <sup>1</sup>	15 0002 K100*	15 0002*	15 0020*
Spruce nat. <sup>2</sup>	15 0102 K100*	15 0102*	15 0120
Nordic spruce <sup>3</sup>	15 0202 K100*	15 0202*	15 0220*
Spruce, not glued	15 0002U K100*	15 0002U*	15 0020U*
Pine <sup>1</sup>	15 0302 K100*	15 0302*	15 0320
Nordic pine <sup>3</sup>	15 0402 K100*	15 0402*	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
Stone pine	15 1202 K100	15 1202	
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-tree	15 3502 K100	15 3502	15 3520

Jumbo Box	1500 pieces	500 pieces
Spruce-fir	15 0002J*	15 0020J
Larch	15 0802J*	15 0820J
Douglas fir / Oregon Pine	15 2902J	15 2920J

Industrial package	7000 pieces	2500 pieces
Spruce-fir	15 0002I*	15 0020I*
Spruce nat. <sup>2</sup>	15 0102I*	
Nordic spruce <sup>3</sup>	15 0202I	15 0220I
Nordic pine <sup>3</sup>	15 0402I*	15 0420I
Douglas fir / Oregon Pine	15 2902I	15 2920I

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.

<sup>1</sup> mixed, close / wide growth rings

<sup>2</sup> comb-grained / close growth rings / light-coloured

<sup>3</sup> wide growth rings / light-coloured



## Patches

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

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

«Tanga Delta is the perfect machine for all aspects of window renovation. It is powerful, robust and easy to use.»

Manuel Dietsch, Manager of Dietsch Joinery in Unterleinleiter, Germany





SCHREINER DIETSCH  
UNTERLEITER

# 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

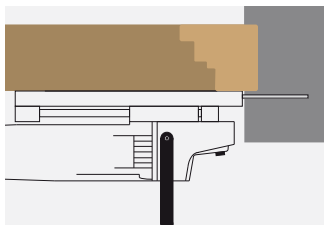


# Tanga Delta S2

The ideal machine for window replacement.  
For cutting out old window frames  
by cutting into the stone wall



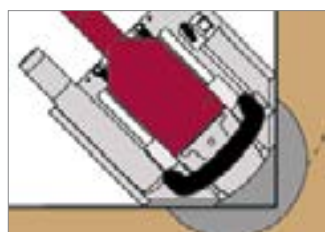
Base plate for straight cuts



Cut into the stone wall



Cut into the corner



45° cut into the corner



Cut-out for the weatherboard



Cut into the tiled wall



Fast change of base plates



Base plate for cuts into corner

## Advantages and properties

- **Diamond blade for cutting plaster, stone and tiles**
- 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
- 1 base plate for cutting straight-line
- 1 base plate **for cutting into corners**
- Rollers on front ruler for improved sliding action

## Applications mit 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
- Cutting grooves
- Cutting expansion gaps

## Technical data

Power .....	1'600 W
	with electronic overload protection
Voltage .....	230 V
Speed .....	7'700 min <sup>-1</sup>
Diamond blade .....	Ø 180 x 2.6 x 22 mm
Cutting height .....	6 mm (groove width)
Cutting depth .....	adjustable 0–58 mm
	(optional 0–68 mm
	with 200 mm saw blade)
Weight.....	5.4 kg

## Tanga Delta S2

in wooden case..... **Art.No. 111553**

## Kit contains

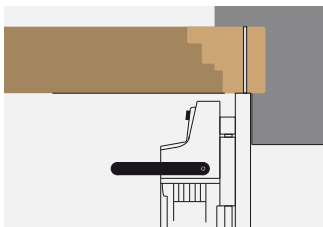
Machine with:  
4 m suction hose with suction stub, diamond blade  
Ø 180 x 2.6 x 22 mm, safety glasses, set of tools, manual,  
wooden case

Accessories see page 86



# Tanga Delta H

The ideal machine for window replacement.  
For cutting out the old window  
frames by cutting into the wood frame



Cut into the timber frame



Cut into the window frame



Shortening doors



Tanga with rabbit stop



Cut groove for door seal with the  
rabbit stop

## Advantages and properties

- **Saw blade for the cutting out of old wood frames**  
or for cut-outs
- 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
- Front with plastic glider for **optimal gliding properties**

## Application

- Window replacement
- Shortening doors
- Cutting grooves
- Cutting of expansion gaps

## Technical data

Power .....	1'600 W
	with electronic overload protection
Voltage .....	230 V
Speed .....	7'700 min <sup>-1</sup>
Carbide saw blade .....	Ø 200 x 2.4 x 22 mm
Cutting height .....	6 mm (groove width)
Cutting depth .....	adjustable 0–68 mm
Weight.....	5.4 kg

## Tanga Delta H

## Art.No.

in wooden case..... **111560**

## Kit contains

Machine with:  
4 m suction hose with suction stub, carbide saw blade  
Ø 200 x 2.4 x 22 mm, safety glasses, set of tools, manual,  
wooden case

Accessories see page 86

# 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 <sup>-1</sup>
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, wooden case

Accessories see page 86

# 3S Pa

The expansion gap and parquet cutter



Plastic inlays 3, 5 and 7mm



Cutting gap



Expansion gaps

## Advantages and properties

- **Cutting depth adjustable steplessly 0 – 30 mm**
- Gap width 8 mm with plastic inlay 3 mm
- Gap width 10 mm with plastic inlay 5 mm
- Gap widths possible without flange 12 and 14 mm

## Application

- Expansion gap on ceilings
- Expansion gaps on floor boards
- Expansion gaps on outside decking

## Technical data

Power .....	750 W
Voltage .....	230 V
Speed .....	10'000 min <sup>-1</sup>
Carbide tipped cutter .....	Z20, Ø 120 x 2.4 x 22 mm
Gap width .....	from 8 mm
Cutting depth .....	adjustable 0–30 mm
Weight .....	3.5 kg

## 3S Pa

## Art.No.

in wooden case..... **111430**

## Kit contains

Machine with:

Saw blade, 3 pcs. plastic inlays (3, 5, 7 mm), M8 flange, suction hose 23 mm, tools, manual, wooden case

Accessories see page 86



# Edge processing with the **Profila**



# The edge profiling machine with a stable surface for various jobs

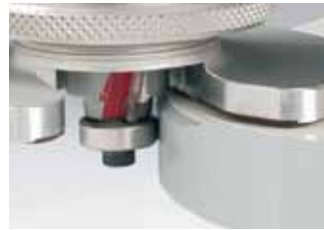
## Advantages and properties

### Stepless fine adjustment

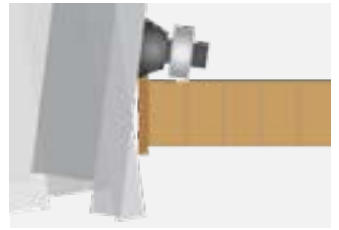


Simple rotation of the nut ensures the base plate remains stable and correctly angled.

### 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

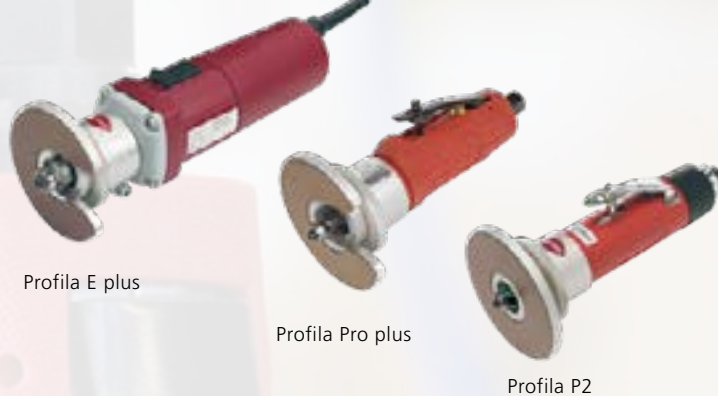
### Large base plate



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

Profila Pro plus

Profila P2



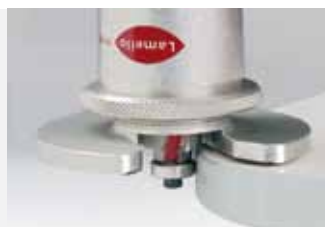
**Profila E plus** (electric)  
For every work shop,  
use it anywhere



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 .....	<b>111962K</b>

Profila P	Art.No.
Profila Pro plus .....	<b>111964</b>
Profila P2 .....	<b>111954</b>

## Technical data

	Profila E plus	Profila Pro plus	Profila P2
Power .....	500 W	400 W	300 W
Voltage .....	230 V		
Speed .....	25'000 min <sup>-1</sup>	22'000 min <sup>-1</sup>	21'000 min <sup>-1</sup>
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

## Kit contains

Machine with:  
carbide tipped cutter Z2, R 3 mm, collet chucks 6 mm, 8 mm and ¼", set of tools, manual

Accessories see page 87

# 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
- Special 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 <sup>-1</sup>
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 wooden case ..... **111857**

## Kit contains

Machine with:  
set of tools, manual, wooden case

## 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 see page 87



# Accessories / Spare Parts

«It is a real pleasure when  
I can reanimate older  
Lamello machines.»

Hanspeter Tschanz, fitter of the Lamello repair department in Bubendorf, Switzerland





# Accessories / Joining

## Cutters, saw blades



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
Z6 (3+3), alternating teeth, hub .....	for Top 10.....	132103
Z2.....	for Directa, Cobra .....	132120

Carbide tipped groove cutter, Ø 78 x 3 x 22 mm		
Z4, 4 Screw holes, with hub for biscuit H9.....	for Zeta, Top 20, Top 21, Classic..	132009

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

Carbide tipped groove cutter with reversible blades, Ø 100 x 8 x 22 mm (Clamex S connector)		
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

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	
up to year of manufacture 1998.....	for Top 10, Standard 10A .....	251059

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

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		
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, NFM, 3S Pa, Zeta					
Height adjustment	-2	-1	±0	+1	+2
Top 20, S2, S3, S4 Top 21	Height adjustment +				



## Cutters for Zeta



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

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

## CNC Tools for Clamex P



<b>P-System groove cutter, Ø 100.4 x 7 x 30 mm</b>		<b>Art.No.</b>
Z3, diamond tipped, 4 / 6.6 / DTK 48 mm .....		<b>132142</b>

<b>Arbor for P-System groove cutter / 30 / DTK 48 mm</b>		<b>Art.No.</b>
16 x 80 mm .....		<b>132152</b>
20 x 90 mm .....		<b>132150</b>
25 x 90 mm .....		<b>132151</b>

<b>Drill</b>		<b>Art.No.</b>
6 mm, solid carbide drill, for mitres, L=100 / 35 mm, shaft=10 .....		<b>131556</b>










## Clamex Accessories



<b>Clamex P drill jig 30° – 150°</b>		<b>Art.No.</b>
Drill jig (60 mm) incl. drill for Clamex P-15 / Clamex P Medius 15/10 .....		<b>125340</b>
Drill jig (100 mm) incl. drill for Clamex P-15 .....		<b>125342</b>
Drill jig (60 mm) incl. drill for Clamex P-10 .....		<b>125341</b>
<b>Clamex S drill jig 30° – 150°</b>		
Drill jig (60 mm) incl. drill for Clamex S .....		<b>125240</b>

<b>Drill</b>		<b>Art.No.</b>
Spiral drill Ø 6 mm with centering point .....		<b>131506</b>

<b>Allen key</b>		<b>Art.No.</b>
4 mm, 75 x 55 mm .....		<b>271945</b>

Cover caps, 100 pieces		Art.No.			Art.No.
RAL 9010		335280	RAL 7031		335288
RAL 9011		335281	RAL 7040		335287
RAL 1014		335282	RAL 7035		335286
RAL 1011		335283	RAL 9002		335285
RAL 8007		335284			
Covering stickers, Overview on request					

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

## Spacers for biscuit joiners

<b>Spacer</b>		<b>Art.No.</b>
5 mm, Aluminium .....	<b>for Top 21 / Zeta / Classic</b> .....	<b>253027</b>
2 mm, Plastic .....	<b>for Top 21 / Zeta / Classic</b> .....	<b>253023</b>
4 mm, Plastic .....	<b>for Top 21 / Zeta / Classic</b> .....	<b>253026</b>

## Glueing System



LK 3, LK 5, LK 10	Art.No.
<b>LK Service carriage</b> .....	<b>533205</b>

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
- Dimensions 410 x 410 x 850 mm

<b>LK Rolling base with handle</b> .....	<b>533204</b>
------------------------------------------	---------------

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

<b>LK Rolling base</b> .....	<b>533201</b>
------------------------------	---------------

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 .....	<b>533250</b>
US for water tap .....	<b>533251</b>
Cleaning brush..... 16 x 35 mm..... length 340 mm .....	<b>533252</b>
round Ø 6 mm..... length 340 mm .....	<b>533253</b>
Service container..... Volume 3 litres with mesh basket.....	<b>533255</b>
Water reservoir complete .....	<b>533260</b>
Inside dimensions Ø 60 x 90 mm .....	<b>533261</b>
Inside dimensions 134 x 60 x 60 mm .....	<b>533261</b>
Distributor .....	<b>533238</b>
for 2 – 3 additional hoses .....	<b>533238</b>
Connector .....	<b>533230</b>
with external thread .....	<b>533230</b>
M8 .....	<b>533230</b>
with 2 screws .....	<b>533240</b>
M4 x 10 .....	<b>533240</b>
Hose mounted .....	<b>533215</b>
Ø 10 x 4000 mm .....	<b>533215</b>
Ø 13 x 4000 mm .....	<b>533216</b>
Hose .....	<b>533210</b>
Ø 10 mm per meter.....	<b>533210</b>
Ø 13 mm per meter.....	<b>533213</b>
Hose fitting set.....	<b>533222</b>
Ø 10 mm.....	<b>533222</b>
Ø 13 mm.....	<b>533223</b>
Twist joint for hose.....	<b>533265</b>
Ø 10 mm, complete.....	<b>533265</b>
Empty glue container .....	<b>533224</b>
incl. cover with 1 hole..... 3 kg .....	<b>533224</b>
incl. cover with 1 hole..... 5 kg .....	<b>533225</b>
incl. cover with 2 holes .....	<b>533226</b>
10 kg .....	<b>533226</b>
Clip-on cover .....	<b>533205</b>
without hole for container .....	<b>533205</b>
Screw cover .....	<b>533224</b>
without hole for container .....	<b>533224</b>

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

## Cutters



Art. 132217

Art. 132209



Art. 132222

Art. 132220



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 ..... <b>Size 2</b>	<b>132217</b>
100 x 8 x 22 mm, Z4 .....	for Minispot patches ..... <b>Size 8</b>	<b>132213</b>
100 x 15 x 22 mm, Z4 .....	for Minispot patches ..... <b>Size 22</b>	<b>132209</b>
100 x 15 x 22 mm, Z4 .....	for Minispot patches ..... <b>Size 4</b>	<b>132208</b>
100 x 20 x 22 mm, Z4 ..... (our recommendation)	for Minispot patches ..... <b>Size 20</b>	<b>132222</b>
100 x 20 x 22 mm, Z2 with profile blades .....	<b>Size 20</b> .....	<b>132220</b>
Profile blades for Art.No. 132220 .....	<b>Size 20</b> .....	<b>132221</b>

Carbide tipped saw blade Z20	Art.No.
Ø 100 x 2.4 x 22 mm, without spacer.....	for Patchmaker 2, ..... <b>132350</b> Patchmaker 20, Variocut

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

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

# Accessories / Window replacement

## Tanga Delta



Carbide tipped saw blades		Art.No.
<b>Ø 200 x 2.4 x 22 mm (cutting depth 68 mm)</b>		
Z12, 4 screw holes .....	for Tanga Delta .....	132322
Z24, 4 screw holes .....	for Tanga Delta .....	132320
Z24 ,4 screw holes, screw resistant .....	for Tanga Delta .....	132323
Z24 special, 4 screw holes .....	for Tanga Delta .....	132321
(only suited for cutting into the wood without moving the machine)		
<b>Ø 180 x 2.4 x 22 mm (cutting depth 58 mm)</b>		
Z12, 6 screw holes .....	for Tanga Swiss, 1811, Dia .....	132317
Z24, 6 screw holes .....	for Tanga Swiss, 1811, Dia .....	132318
Z24 special, 6 screw holes .....	for Tanga Swiss, 1811, Dia .....	132319
(only suited for cutting into the wood without moving the machine)		
<b>Ø 150 x 2.4 x 22 mm (cutting depth 45 mm)</b>		
Z12, 6 screw holes .....	for Tanga 150, 1511 .....	132315
Z24, 6 screw holes .....	for Tanga 150, 1511 .....	132316
Z26 special, 6 screw holes .....	for Tanga 150, 1511 .....	132314
(only suited for cutting into the wood without moving the machine)		

Diamond blades		Art.No.
<b>Ø 200 x 2.6 x 22 mm (cutting depth 68 mm)</b>		
For a clean cut into tiles and plaster		
4 screw holes .....	for Tanga Delta .....	132517
4 screw holes, segmented .....	for Tanga Delta .....	132522
<b>Ø 180 x 2.6 x 22 mm (cutting depth 58 mm)</b>		
4 screw holes .....	for Tanga Delta .....	132519
4 screw holes .....	for Tanga Dia .....	132518

### Attention:

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

Rabbet stop for Tanga		Art.No.
.....	for Tanga 180, 1811 S, Swiss .....	251525
.....	for Tanga Delta H, S2 .....	121556

## 3 SPa / Variocut



Carbide tipped saw blades Z20		Art.No.
<b>Ø 120 x 2.4 x 22 mm</b>		
with 2 spacers.....	for 35 Pa .....	132312
with flange M8 .....	for 35 Pa .....	132382
<b>Ø 100 x 2.4 x 22 mm</b>		
with 2 spacers.....	for Variocut .....	132350

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



# Accessories / Edge processing

## Profila



Carbide tipped edge cutters		Art.No.
Radius 3 mm, shaft-Ø 8 mm.....	for Profila E, P .....	131986
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



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

## Lamina



Carbide tipped profile cutter		Art.No.
Ø 30 mm .....	for 90° and 35° .....	131980
	for 90° and 22° .....	131981
Ø 28 mm .....	for 90° and 45° .....	131982

# Suction accessories



Suction set complete		Art.No.
Suction set 23.....	<b>for biscuit joiner, Variocut, 3S, G2A</b> .....	<b>121810</b>
	Inner diameter 23 mm	
	3 m suction hose black	
	Conical connecting piece for hose Ø 30–42 mm	
Suction set 30.....	<b>for Tanga Delta, G20, Lamina, Plano</b> .....	<b>121820</b>
	Inner diameter 30 mm	
	4 m Absaugschlauch mit Anschlussmuffe 58 mm	



Parts		Art.No.
Suction hose .....	black ..... int. Ø 23 mm, per Meter.....	<b>331808</b>
	grey..... int. Ø 30 mm, per Meter.....	<b>331520</b>
Connecting piece .....	conical..... for suction hose, int. Ø 23 mm .	<b>331802</b>
	for suction hose, int. Ø 30 mm .	<b>331803</b>
Suction hose adapter .....	<b>for suction set 23 and 30</b> .....	<b>331805</b>
	54 and 58 mm	
Suction stub.....	<b>for biscuit joiner, Perfora, Trimming unit Patchmaker</b> .....	<b>331006</b>
Deflector stub .....	<b>for biscuit joiner</b> .....	<b>331005</b>
Extractor stub 36 mm.....	<b>for biscuit joiner</b> .....	<b>331007</b>
	(Festool compatible)	
Dust bag .....	<b>for biscuit joiner</b> .....	<b>337530</b>
Dust bag and extractor stub Ø 36 mm .....	<b>for biscuit joiner</b> .....	<b>257530</b>
Dust bags .....	<b>for Art.No. 283035</b> ..... 10 pieces .....	<b>283030</b>
Suction stub LMA-74 .....	<b>for 3S, G2A, G2, Junior10, Dynamic, Directa, Top</b> .....	<b>281804</b>
	fits suction hose, int. Ø 23 mm	



## 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



### 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**

S-PLUS jig ..... for worktops up to 1000 mm width..... **121302**

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 blades ..... 10 pieces ..... **131310**

Set screw M2½ x 2½.....for reversible blades 131310 ..... **352202**

Art. 131300

Art. 131305

## Other accessories



**Art.No.**

### LEPUS

Finishing disc, fine (Grain 500.....100 x 50 x 20 mm ..... **135017**

Grinding disc, rough (Grain 60 .....100 x 50 x 20 mm ..... **135032**

### WSL (forerunner model of Lepus)

Corundum wheel (Grain 60 .....100 x 50 x 15 mm..... **135005**

Grinding solution WS01 .....1.5 kg..... **275001**

## Spare parts

[illegible]



The complete spare parts  
list is on our website.

**[www.lamello.com](http://www.lamello.com)**

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



Spare parts and accessories availability  
guaranteed for at least 10 years



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