

# Connections with profile

simple ingenuity



## Catalogue

english

2011/2012





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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Renovating Windows

Edge Processing

Spare Parts

Accessories  
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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





# Overview of Lamello joining technology

## Permanent connections

Groove  
Zeta / Top / Classic

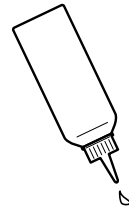
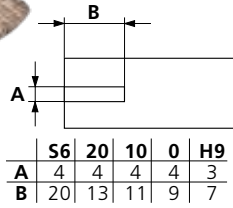
Profile groove  
Zeta

Drilled hole  
Rasto

### Original wooden Lamello biscuits

in 5 sizes

- S6: 85 x 30 x 4 mm
- 20: 56 x 23 x 4 mm
- 10: 53 x 19 x 4 mm
- 0: 47 x 15 x 4 mm
- H9: 38 x 12 x 3 mm



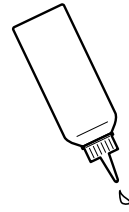
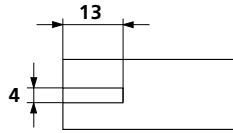
PVA glue



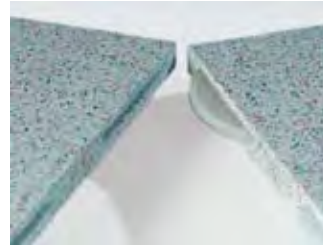
more information on page 29

### C20 Solid surface element size 20

60 x 23 x 4 mm



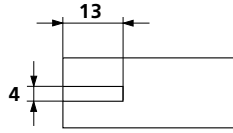
Corian glue



more information on page 33

### K20 Clamping element size 20

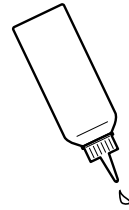
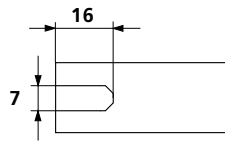
60 x 24 x 4.5 mm



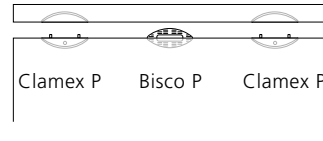
more information on page 32

### Bisco P Aligning element

65 x 29 x 7 mm



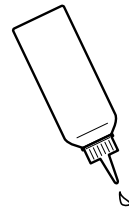
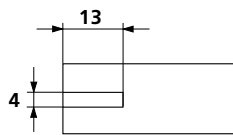
PVA glue



more information on page 21

### Champ Slide-in connector

64 x 26 x 4 mm



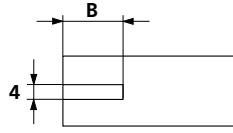
PUR glue



more information on page 32

### E20 Self-clamping element

- E20L: 56 x 11.5 x 4 mm
- E20H: 23 x 28 x 4 mm



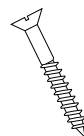
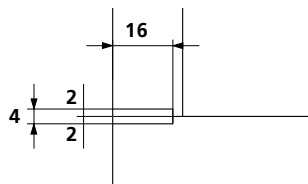
	E20L	E20H
B	14	32



more information on page 31

### Duplex Furniture hinge

66 x 29 x 4 mm



more information on page 33

Joining

Invisible connections

Visible connections

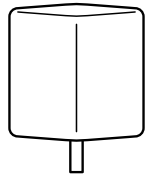
# Overview of Lamello joining technology

## Detachable connections

Groove  
Zeta / Top / Classic  
Profile groove  
Zeta  
Drilled hole  
Rasto

### Invis Mx Magnet-driven screws

D12 x 14 mm  
D12 x 30 mm



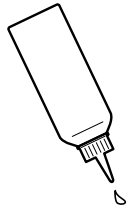
MiniMag Mx



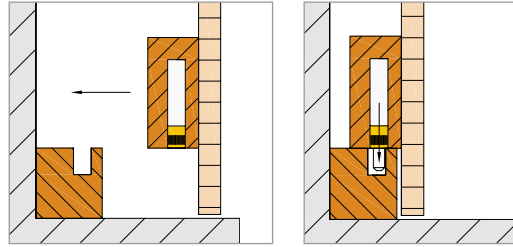
more information on page 40

### Pinlock Magnet-driven locking bolt

D8 x 40 mm



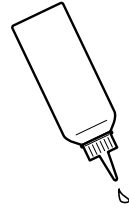
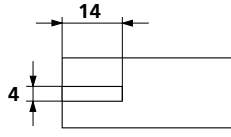
PVA glue



more information on page 41

### Simplex Detachable slide-in connector

54 x 23 x 4 mm



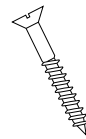
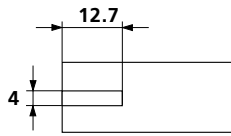
PUR glue



more information on page 33

### Metal Detachable slide-in connector

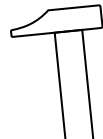
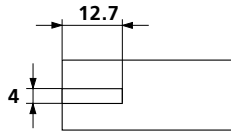
57.2 x 25.4 x 4 mm



more information on page 32

### Fast Clip-in connector

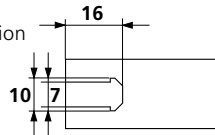
56 x 25.4 x 4 mm



more information on page 32

### Clamex P Connector with slide insertion

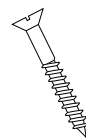
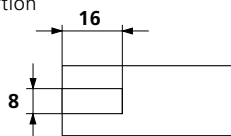
66 x 29 x 10 mm



more information on page 20

### Clamex S Connector with screw insertion

66 x 29 x 8 mm



more information on page 30

Joining

Invisible connections

Visible connections



# Joining with the **P-System**

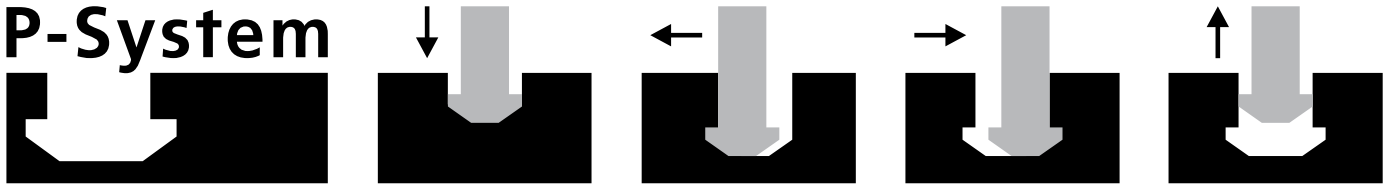




The form-locking installation method for tool-free installation within seconds

## How it works

### P-System

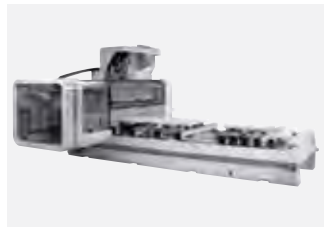


## Advantages and features

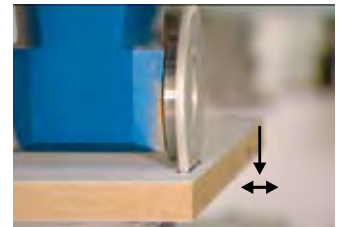
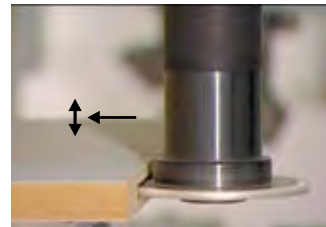
### Two methods to cut the profile groove



Lamello Zeta for cutting the grooves by hand.



Modern CNC technology for cutting the grooves in high volume production.



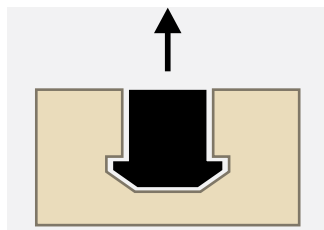
#### Videos and Lamello partner network: [www.lamello.com](http://www.lamello.com)

During the cutting process the cutter cuts into the work piece until the required depth is reached. At this point the cutter moves minimally to both sides, cutting the P-groove.

## Form-locking installation method



Fast tool-free installation  
Ideal for panel materials



High tensile strength  
Shallow installation depth

# Zeta

The most advanced biscuit joiner saving you time daily

## P-System



P-System  
Joining



Vertical mechanical drive (VMD)

### 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**

The cutter dives horizontally in to the preset depth. Then follows a vertical movement up and down for the profile cut.

- **User-friendly**
  - triggers the **vertical movement automatically**
  - **low weight** due to the compact build
  - **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 14 more applications (see pages 24–25)

### Advantages and features

- **Long-life precision guidance** rendering precise, parallel grooves for **perfect alignment of the workpieces**
- **CNC high-precision reference surfaces** – for **accurate application** on the workpiece
- 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
- **Multifunctional stop square**
  - **outside flush** mitre joints with workpieces of varying thickness
  - **larger surface** when working vertically
- **Swivelling front stop 0–90°** catching at 22.5°, 45°, 67.5°, 90°
- **Central locking for fast cutter changing**
- Rotating depth adjuster with **6 standard depths**
- **Extra slim anti-slide pads for good grip**
- **Powerful 800 W motor** with electronic control
- Soft start, speed control, start protection
- **Maintenance friendly**, minimal cost for maintenance and repair



Long-life precision guidance



CNC high-precision reference surfaces



Multifunctional stop square



Outside flush



VMD trigger



Maintenance friendly



- Profit
- Labour cost
- Material cost
- Other operating cost
- Cost for powertools and stationary machines



\* Change the cutter for 4mm grooves, H9, Minispot and expansion gaps

### Lamello Zeta is the right investment into your future

3 reasons why the investment pays off

#### 1. Time saving with every groove!

Improve your profit by lowering your labour cost!

#### 2. Differentiation with Clamex P

- **Modern design** with detachable mitre joints
- **Aesthetic solutions** due to the tiny access hole

#### 3. Additional use

You can switch off the VMD and use the Lamello Zeta as a **standard biscuit joiner for 14 more applications\***.

For example **to cut the groove for the original wood biscuits 20, 10, 0.**

#### 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-Set

#### Art.No.

with carbide tipped profile groove cutter .....	<b>101400</b>
with diamond tipped profile groove cutter.....	<b>101400D</b>

#### Kit contains

Machine with:  
Stop square, Suction stub 23 mm, Suction stub 36 mm, Spacer 4 mm, Spacer 2 mm, Tools, Drill jig incl. drill for Clamex P, 18 Clamex P connectors, Wooden case

Accessories see pages 78, 79, 81, 84



#### How it works



1. Cut the profile groove with the Lamello Zeta



2. Slide the drill jig into the groove and drill the access hole



3. Slide the connector by hand into the groove within seconds – without tools

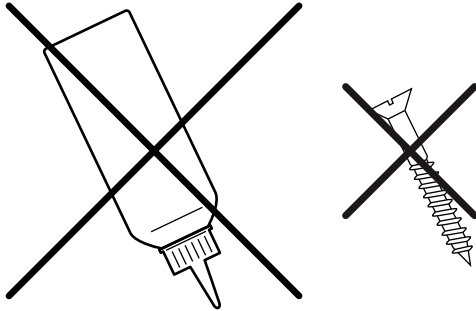


4. Assemble the workpieces and close the connections – that's it!

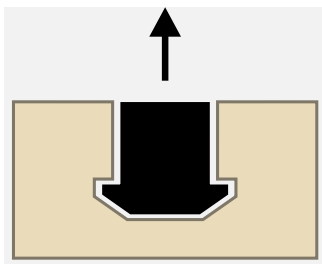
# Clamex P

The connector for aesthetic constructions  
Easy, flexible and detachable

## P-System



Fast



Form-locking



Aesthetic



Flexible



Stackable

### Advantages and features

- Installation with the biscuit joiner Zeta or CNC technology
- **Detachable connections** for ready-to-assemble constructions
- Tool-free **installation within seconds** by hand
- **Aligns and connects**, 2 functions in one element
- **Aesthetic** due to the barely visible hole (6mm) to open and close the connector
- **Safe from twisting** due to the studs
- Flexible use for **mitres in all angles**
- **Stackable**, no protruding elements in the surface
- **Easy cutting** with the Lamello Zeta
- Lateral **installation tolerance** +/- 1.0 mm (max. +/- 1.5 mm)

### Applications of Clamex P

- Shopfitting
- Interior fitting
- Detachable furniture
- Trade booth
- Frame connections
- Open shelves
- Claddings
- Separation walls
- Glue aid
- All forms of installations
- Mitre joints

### 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 ~ 800N ≈ 80 kg solid hardwood ~ 1400N ≈ 140 kg

### Clamex P

	<b>Art.No.</b>
Carton with 80 pairs.....	<b>145337</b>
Carton with 300 pairs.....	<b>145342</b>
Carton with 1000 pairs.....	<b>145352</b>

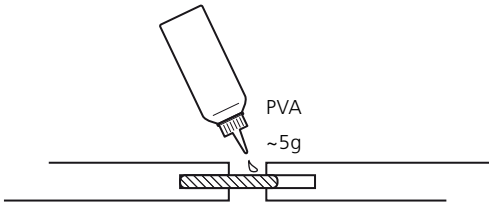
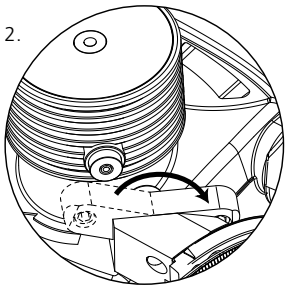
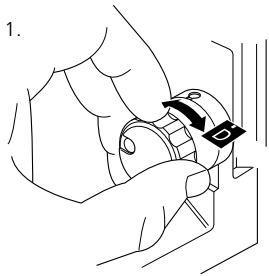
Accessories see page 79



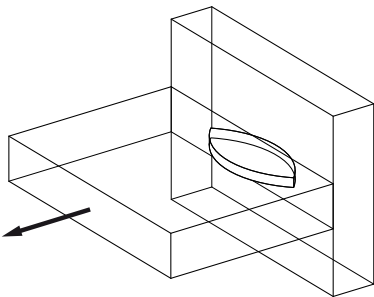
# Bisco P

The aligning element for use in conjunction with Clamex P

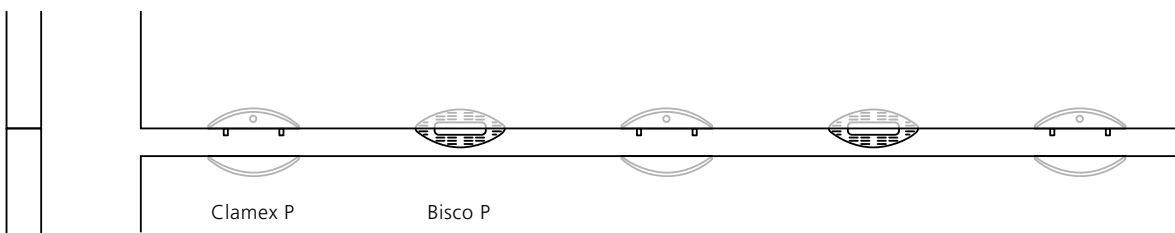
## P-System



Tensile strength



Application example:



### Advantages and features

- **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

- 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.....	~ 400N ≈ 40 kg

### Bisco P

### Art.No.

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

# Joining with the **Lamello System**

Lamello System

Joining



Efficient system ranging from cutting of grooves to the clamping of the prepared parts

## How it works



1. Cut grooves



2. Apply glue



3. Insert biscuits



4. Clamp work piece

## Advantages and features

### Easy



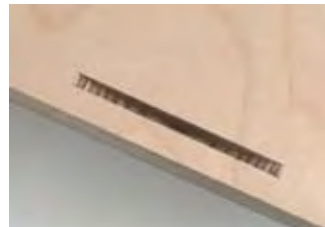
- Easy & fast positioning to pencil mark
- No additional stops and positioning aids required
- Lateral positioning tolerance for cutting

### Fast



- Shortest cutting time per joint
- No tool change – cut 10 types of joining elements with the same tool
- Same cutting depth for both work pieces

### Precise



- Maintains groove tolerance for entire life of cutting tool
- Highest precision even at very fast working speeds
- Even without dust extraction clean and precise groove quality

### Flexible



- Lateral tolerance during assembly assures great flexibility
- Even thin work pieces can be joined at any angle e.g. work pieces with 8 or 12 mm thickness

## Cost effective



- Low maintenance costs throughout entire life of machine
- Tool maintenance comprises one cutting tool only (sharpening and replacement)

# Lamello System Plus<sup>+</sup>

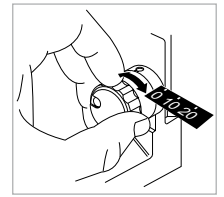


1.

**Original wooden Lamello biscuits 20, 10, 0**



Carbide tipped cutter  
 Ø 100 x 4 x 22 mm  
 Art.No. 132000 / 132106

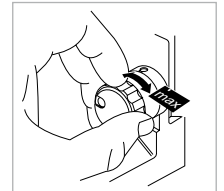
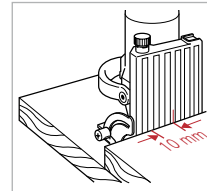


2.

**The large wooden Lamello biscuits S6**



Carbide tipped cutter  
 Ø 100 x 4 x 22 mm  
 Art.No. 132000 / 132106

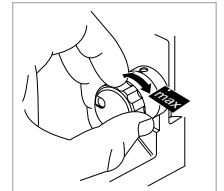
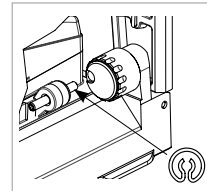


3.

**The small wooden Lamello biscuits H9**



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

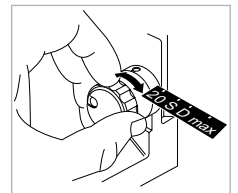


4.

**E20-L – self-clamping element**



Carbide tipped cutter  
 Ø 100 x 4 x 22 mm  
 Art.No. 132000 / 132106

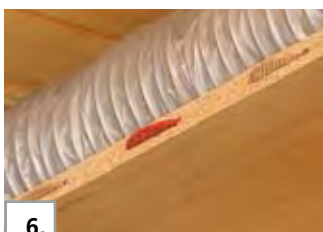
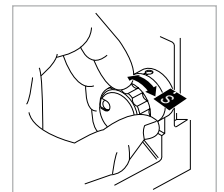


5.

**E20-H – self-clamping element**



Carbide tipped cutter  
 Ø 100 x 4 x 22 mm  
 Art.No. 132000 / 132106

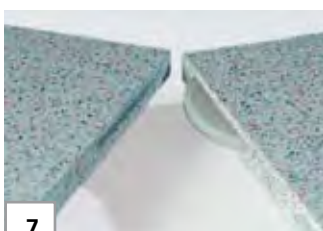
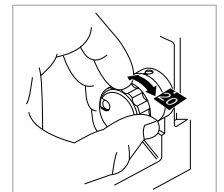


6.

**K20 – Clamping element**



Carbide tipped cutter  
 Ø 100 x 4 x 22 mm  
 Art.No. 132000 / 132106

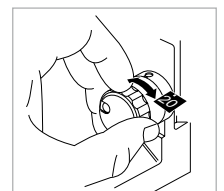


7.

**C20 – Solid surface element**



Carbide tipped cutter  
 Ø 100 x 4 x 22 mm  
 Art.No. 132000 / 132106





# The 14 best reasons to buy a Lamello biscuit joiner!

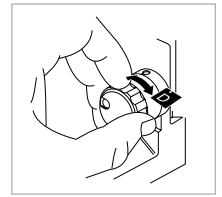


8.

## Duplex – Furniture hinge



Carbide tipped cutter  
Ø 100 x 4 x 22 mm  
Art.No. 132000



9.

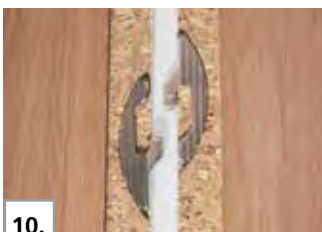
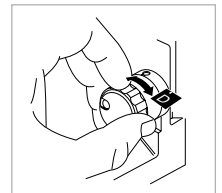
## Clamex S – Connector with screw insertion



Cutter  
Ø 100 x 8 x 22 mm  
Art.No. 132108



Drill jig  
Art.No. 125240



10.

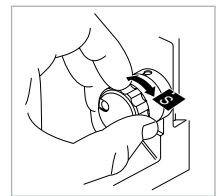
## Simplex – Detachable slide-in connector



Carbide tipped cutter  
Ø 100 x 4 x 22 mm  
Art.No. 132000 / 132106



Inserting tool  
Art.No. 166110

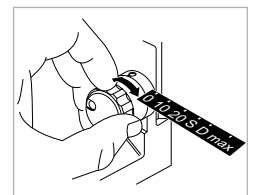


11.

## Cutting grooves



Carbide tipped cutter  
Ø 100 x 4 x 22 mm  
Art.No. 132000 / 132106



12.

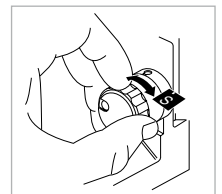
## Wood repairs

For repairing wood defects such as resin pockets and small knotholes.

For Minispot size 2



Carbide tipped cutter  
Ø 100 x 8 x 22 mm  
Art.No. 132217

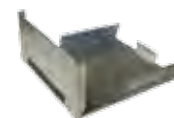


13.

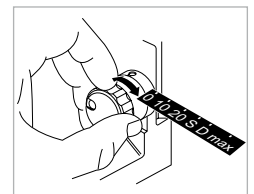
## Cutting of expansion gaps



Saw blade  
Ø 100 x 2.4 x 22 mm  
Art.No. 132350



Slide shoe  
Art.No. 251057



14.

## Trimming of protruding edges

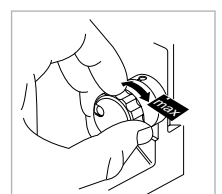
Trimming of protruding wooden and plastic edges



Saw blade  
Ø 100 x 2.4 x 22 mm  
Art.No. 132350

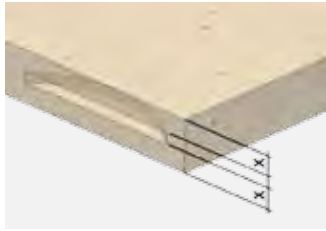


Edge trimming unit Nova  
Art.No. 121280

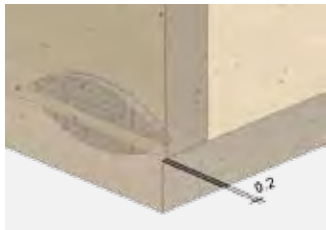


## Top 21

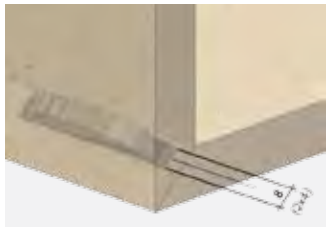
The original biscuit joiner with height adjustable blade from the inventor of biscuit joiners  
Choose Lamello for precision, reliability, longevity and many additional applications



Adjust groove to middle



Off-set work pieces



Double cut for Clamex



Cutting expansion gaps



### 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. New 800 watt motor
  - **Powerful motor** with electronic control
  - Soft start, speed control, start and overload protection
  - **Maintenance friendly**, minimal cost for maintenance and repair
4. Precision cutter
  - with 4 scoring teeth and hub
5. Including dust bag
  - and adapter Ø 36 mm



Long-life precision guidance



CNC high-precision reference surfaces



Multifunctional stop square



Outside flush

### Advantages and features

- **Long-life precision guidance** rendering precise, parallel grooves for **perfect alignment of the workpieces**
- **CNC high-precision reference surfaces** – for **accurate application** on the workpiece
- 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
- **Multifunctional stop square**
  - **outside flush** mitre joints with workpieces of varying thickness
  - **larger surface** when working vertically
- **Swivelling front stop 0–90°** catching at 22.5°, 45°, 67.5°, 90°
- **Central locking** for **fast cutter changing**
- Rotating depth adjuster with **6 standard depths**
- **Extra slim anti-slide pads** for **good grip**
- Soft start, speed control, start and overload protection
- **Maintenance friendly**, minimal cost for maintenance and repair
- **Multifunctional**, with the possibility for 14 more applications (pages 24–25)

### Technical data

Power .....	800 W
Voltage .....	230 V or 120 V
Speed .....	9'000 min <sup>-1</sup>
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

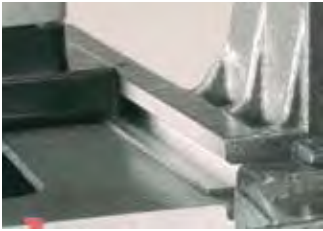
Accessories see pages 78, 79, 81, 84





# Classic C3

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



Long-life precision guidance



CNC high-precision reference surfaces



Multifunctional stop square



Outside flush



### Advantages and features

- **Long-life precision guidance** rendering precise, parallel grooves for **perfect alignment of the workpieces**
- **CNC high-precision reference surfaces** – for **accurate application** on the workpiece
- **Multifunctional stop square**
  - **outside flush** mitre joints with workpieces of varying thickness
  - **larger surface** when working vertically
- **Swivelling front stop 0–90°** catching at 22.5°, 45°, 67.5°, 90°
- **Central locking** for **fast cutter changing**
- Rotating depth adjuster with **6 standard depths**
- **Extra slim anti-slide pads** for **good grip**
- **Maintenance friendly**, minimal cost for maintenance and repair
- **Multifunctional**, with the possibility for 14 more applications (pages 24–25)

### Technical data

Power .....	750 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

	<b>Art.No.</b>
in wooden case.....	<b>101252</b>
in systainer.....	<b>101252S</b>
in carton .....	<b>101252K</b>

### Kit contains

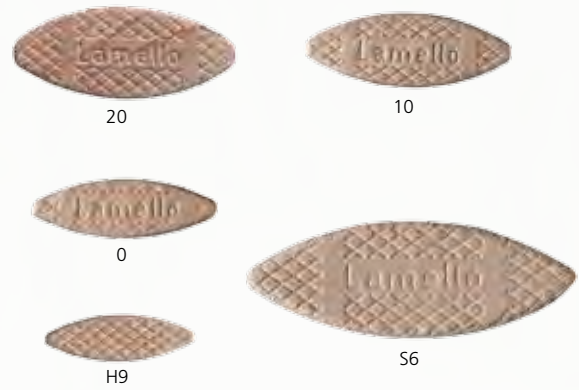
Machine with:  
carbide tipped cutter, suction stub 23 mm, stop square, slip-on plate 4 mm, set of tools, manual, wooden case or systainer or carton

Accessories see pages 78, 79, 81, 84

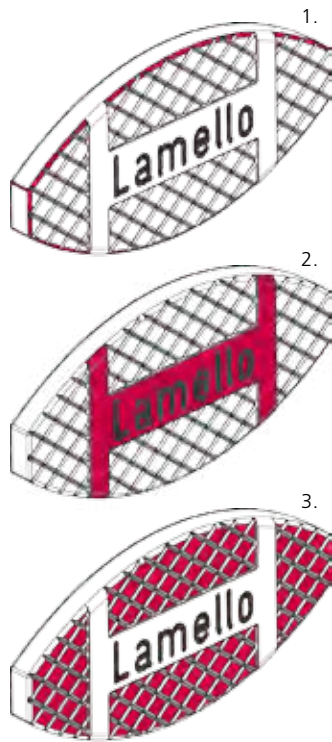


# The original wooden biscuit

The Original  
Swiss production  
Swiss timber  
Lamello quality



© Logo for genuine Swiss timber  
Lignum-70-0003



## Advantages and features

### 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)

# Clamex S Verbinder

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



Flexible



Stackable



Aesthetic



Detachable



## Advantages and features

- 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)

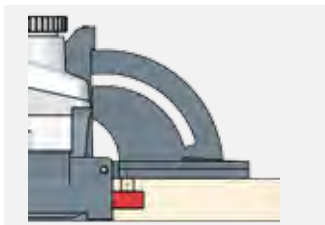
## Clamex S-18

	Art.No.
18 pairs .....	<b>145231</b>
80 pairs .....	<b>145236</b>
300 pairs .....	<b>145241</b>

Accessories see pages 78, 79

## How it works

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



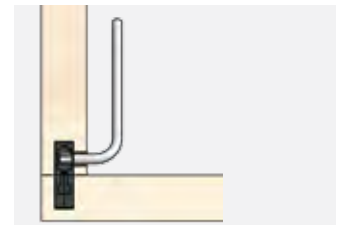
1. Cut groove, 8 mm



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 features

- **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

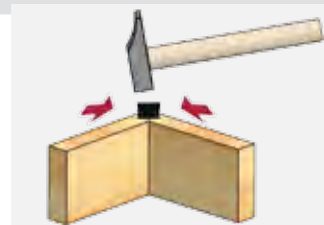
#### E20-H



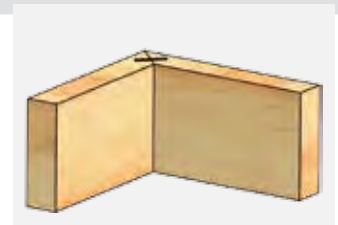
1. Cut groove



2. Apply glue



3. Insert E20-H



4. Finished!

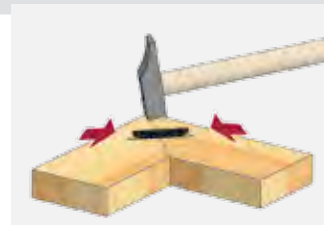
#### E20-L



1. Cut groove



2. Apply glue



3. Insert E20-L



4. Finished!



## Fast

Detachable clip-in connector with self-cutting edges  
With installation tool and clip for cutting depth



### Advantages and features

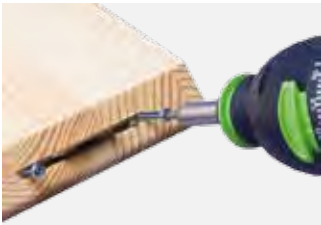
- For workpieces such as covers, blinds or profiles **to clip-in**
- Fast installation, no waiting time before continuing the work
- Clip-in and detachable, **without lateral movement** (sliding)

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



## Metal

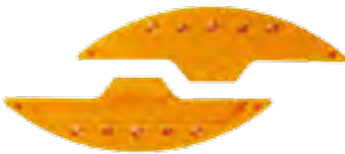
Heavy duty detachable slide-in connector with screw insertion  
With 83 screws of each size 3 x 13 and 3 x 25, clip for cutting depth



### Advantages and features

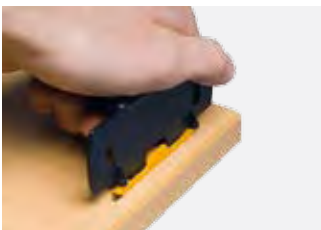
- For **detachable constructions** such as shelves, covers or as glueing aid
- With **integrated stop** for blocking one side if required
- **Adjustable joint pressure** due to screws
- Fast installation, no waiting time before continuing the work

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  
With installation template



### Advantages and features

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

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 features

- 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.



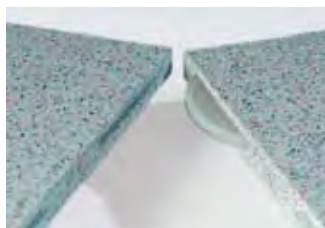
Cutter	Size (mm)	Quantity	Art.No.
Ø 100 x 4 x 22 .....	60 x 24 x 4.5 .....	80 pieces .....	<b>145001</b>
		250 pieces .....	<b>145000</b>





## C20

Solid surface element



### Advantages and features

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 features

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

Install with insertion tool and two-part epoxy adhesive.

Made of aluminum

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



## Duplex

Furniture hinge

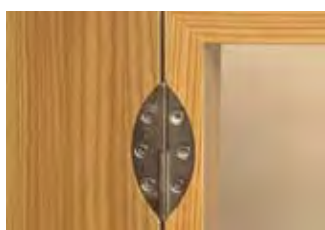


### Advantages and features

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

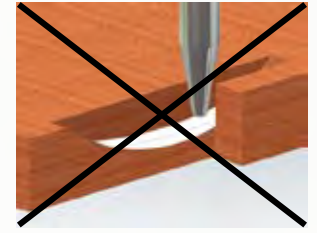


Material	Cutter	Version	Quantity	Art.No.
nickel plated .	Ø 100 x 4 x 22 .....	left .....	20 pieces .....	<b>166011</b>
		right .....	20 pieces .....	<b>166012</b>
		links and right .....	10 pieces each .....	<b>166013</b>
black.....	Ø 100 x 4 x 22 .....	left .....	20 pieces .....	<b>166021</b>
		right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



## Glueing

The Lamello glue applicators apply the glue for biscuit and dowel joints laterally and not at the bottom of the groove. The results are high strength wood joints, no glue spillage or undesired accumulation in the bottom



## Glue applicator



### Minicol

The all purpose glue applicator with a sturdy bottle base in solid wood

#### Advantages and features

- 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 applicator Minicol	Art.No.
Minicol Mod. KS .....with plastic nozzle.....	175500
Minicol Mod. M .....with metal nozzle.....	175550

For nozzles for Minicol see glue applicator Servicol.



### Servicol

All purpose glue applicator with a simple base

#### Advantages and features

- 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 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

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



## Dosicol

The efficient glue applicator with metering pump

### Advantages and features

- 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 .....	<b>177000</b>
Mod. 2 .....	for Minispot recesses ..... 2 and 22 .....	<b>177002</b>
Mod. D .....	for dowel holes..... Ø 8, 10, 12 mm .....	<b>177007</b>

### Nozzles for Dosicol

	Size	Art.No.
Nozzle .....	for Lamello grooves ..... 20 and 10 .....	<b>287020</b>
	for Minispot recesses ..... 2 and 22 .....	<b>287022</b>
	4.....	<b>287024</b>
	20.....	<b>512891</b>
	for dowel holes..... Ø 8, 10, 12 mm .....	<b>287027</b>

## Clamping elements



## Clamping system

### Advantages and features

- 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 ..... <b>175021</b>
	8 m belt
	4 pieces profile sections 20 cm
60 cm .....	2 pieces of clamps..... <b>175020</b>
	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 ..... <b>175005</b>
		8 m polyester belt ..... <b>175008</b>
		10 m polyester belt ..... <b>175010</b>
Buckle for clamps .....	1 piece .....	without belt..... <b>175060</b>
Polyester belt for clamps .....	1 reel.....	of 50 m ..... <b>175050</b>
Tension hooks .....	2 pieces.....	<b>175200</b>
Profile sections.....	4 pieces .....	length 12 cm ..... <b>175401</b>
		length 40 cm ..... <b>175402</b>
		length 60 cm ..... <b>175403</b>

# Joining

«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**



## Magnet driven connections

Invisible as if glued,  
versatile as if screwed!



## Advantages and features

### Easy



**Visible rotation** in the MiniMag Mx indicates if the connection is opening or closing.

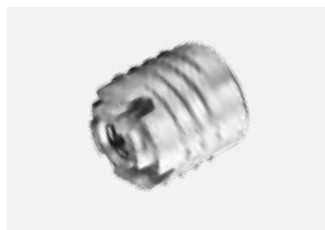


The **red arrow** displays the **correct positioning** of the cube on the work piece.

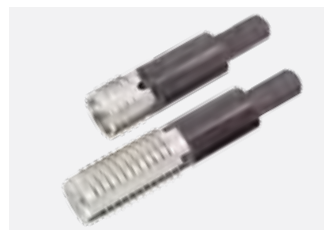


The **tolerance** enables easy handling during installing.

### Fast



**The double threaded elements** allow the installation of Invis parts straight and quickly.



**No drill or bit changes** are required, as the same mounting is used for the joining element and the stud.



The joining element and the stud can be **mounted flush** for easy stacking or for a sliding assembly.

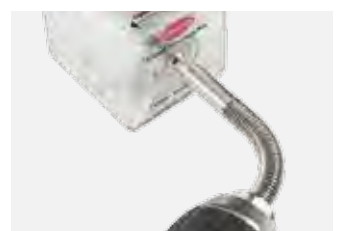
### Powerful



A **50% larger magnet** results in **powerful clamping** of the joint.



A 30 mm long metal thread for **powerful anchorage** – particularly useful in particleboard.



Flexible shaft on the MiniMag Mx: ideal angle drive, fits into the **smallest of corners**.

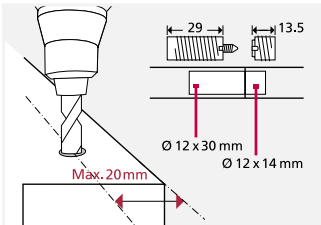


# Invis Mx

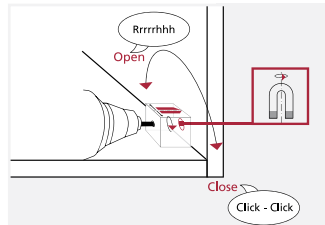
The new generation has kept true to its essence  
 But using the magnet-driven, invisible connector has never been easier, faster or more versatile



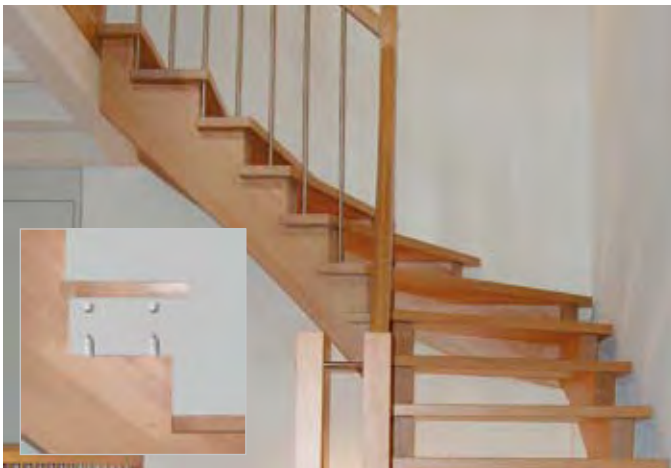
The rotating magnetic field of the MiniMag Mx drives the joining element



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.

## Advantages and features

### Pure Aesthetics

- Your furniture manufactured to the highest quality is perfect to the minutest detail: all connections are **100% concealed and detachable**, completely without access holes, covering caps or wood plugs.
- Design your work piece according to your customer's wishes **without size limitation**. If it is too large to transport? Well, just take it apart.
- Create furniture systems, which can be **individually extended** by your clients.

### Strong and detachable

- Furniture in every day use like tables require **strong connections**. The **robust metal shell** with the long course thread renders a **very high tensile strength up to 400kg**.
- Trade booth furniture and objects can be assembled and disassembled time and again with Invis, **without sign of material fatigue!**
- Invis furniture is ideal for the «modern nomad» among your customers. All favourite pieces can be **taken apart, shipped and easily put together again**.
- Invis is the best solution to **minimise transport and stock volume**, perfect for mass-produced furniture.

### Einfach und schnell montiert

- Invis joins **when clamps fail**. This is particularly useful for complex, rounded or large objects.
- The **powerful magnet drive** clamps two workpieces together with **160kg** per screw. **No scratches** or pressure marks on your high gloss surface.
- **Save time**: No more dead time on the building site until the clamps can be removed! Invis clamps your freshly glued work pieces reliably together – without clamps.





1.



2.



3.



4.



5.

**Application example: table**

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

**Applications of Invis Mx**

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



Joiner set



Joining element



Stud 14 mm



Connecting screw  
M5 x 17 mm (left-thread)



Stud 30 mm



Centerwall-stud up to 30 mm



Screw bit



Flexible shaft for MiniMag Mx



Pinlock 8 x 38 mm



Invis Mx Starter Kit



MiniMag Mx Kit

**Kits**

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

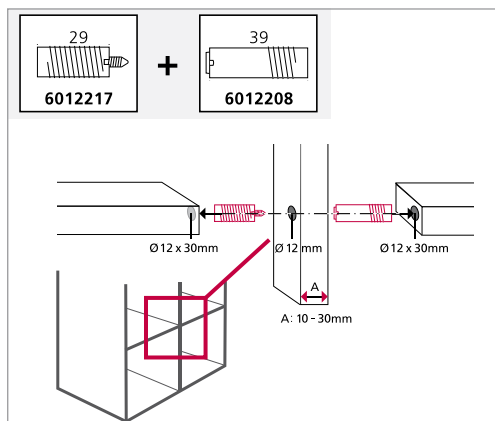
In a systainer: 1 MiniMag Mx, 2 screw bits, 1 flexible shaft, 20 pcs Mx joiner sets

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

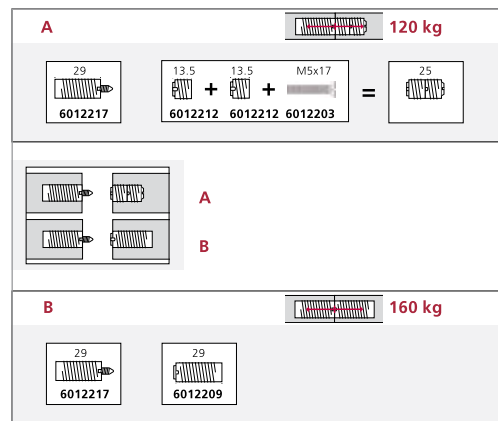
In a cardboard box: 1 MiniMag Mx, 1 screw bit

**Parts**

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



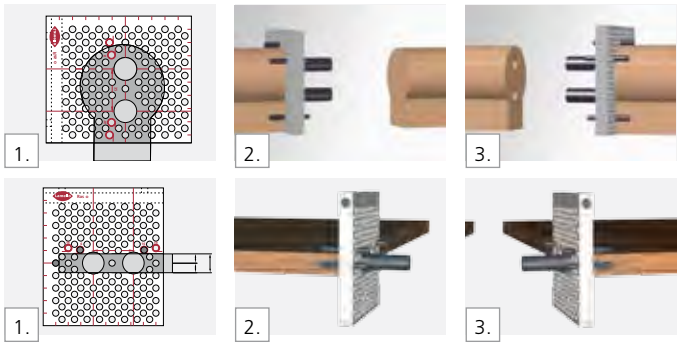
Center wall connection



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.



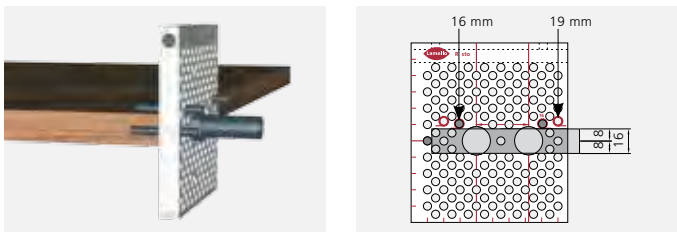
## How Rasto works

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

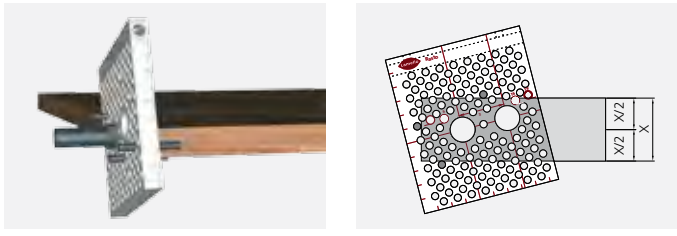
The Rasto concept uses positioning pins as stops instead of measuring the hole position. The holes always align perfectly because the position of the pins is not changed when drilling the second workpiece. The transparency allows for easy set up on the work piece or aligning to a pencil mark. Due to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

## Advantages and features

- 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

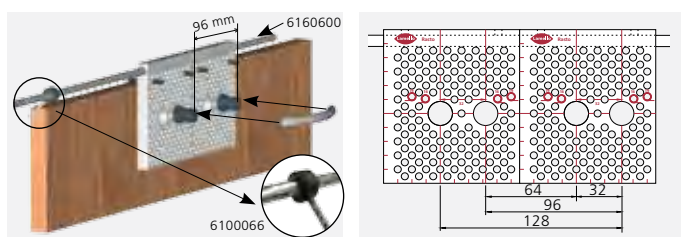


Holes in the centre of any workpiece thickness

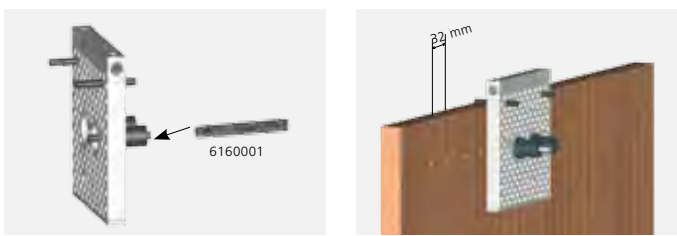


Mitre connections

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.
-------	---------

<b>Basic Kit</b> .....	<b>126005</b>
------------------------	---------------

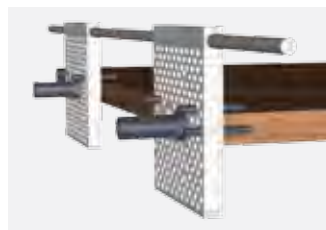
In a cardboard box: 1 transparent jig,  
4 drill bushes Ø 5, 8, 10, 12 mm, 3 positioning pins,  
1 fixing screw

<b>Mono Kit</b> .....	<b>126001</b>
-----------------------	---------------

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

<b>Duo Kit</b> .....	<b>126002</b>
----------------------	---------------

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**

Glueing System

Joining





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

## How it works



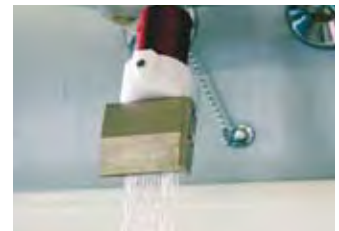
1. Equipment ready



2. Attach required nozzle



3. Apply glue



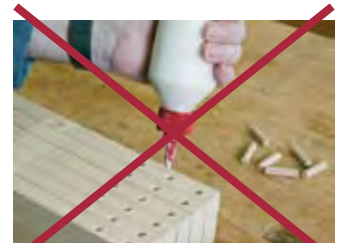
4. Clean nozzle

## Advantages and features



### 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

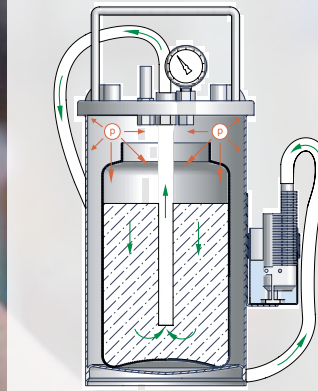
«As fast as possible»  
Save time: apply efficiently with the correct nozzle, minimise cleaning requirement



# 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



LK 3



LK 5



LK 10

### Advantages and features

- **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 80

# Glue pistols

## LK 0, LK 100, LK 110, LK 111

Glue pistols for various applications



LK 110 pneumatic



LK 111 pneumatic



LK 100 pneumatic



LK 0 manual

### Advantages and features

- 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..... release at pistol	<b>512230</b>
LK 111.....	pneumatic with controlling release .....	<b>512240</b>
	through workpiece	
Holder .....	build your own easy glueing station..... for LK 111	<b>512250</b>

Accessories see page 80



Holder for LK 111



LK 0



LK 100



LK 110



LK 111

# Glue nozzles

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



## Advantages and features

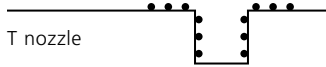
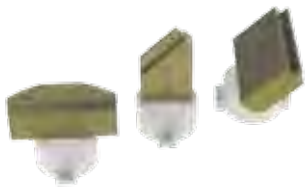
- Resistance to wear
- Smooth gliding surface
- Surfaces easy to clean
- Speedy nozzle changes are made possible with the Bayonet coupling

## for edges



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

## for grooves



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





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 2-fach .....	Ø * mm, A = 32 mm .....	<b>512822</b>	
	Ø * mm, A = * mm .....	<b>512823</b>	
Dowel nozzle 3-fach .....	Ø * mm, A = 32 mm .....	<b>512827</b>	
	Ø * mm, A = * mm .....	<b>512828</b>	
Lamello nozzle .....	Size 20 .....	<b>512845</b>	
	Size 10–20.....	<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 features

### System solution



#### «Where all parts match»

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

### Efficient and professional



#### «Field-proven and suited for the industry»

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

### Easy and complete



#### «The ideal solution for every situation»

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

### Fast



#### «Fast completion of the repair»

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

### Invisible



#### «Quality which pays off»

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

## G20 S2

The Minispot grooving machine to cut grooves for patches sizes 2, 4, 22, 8, 15, 20



Cutting defects



### Advantages and features

- **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

### Minispot 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 Minispot-grooves in edges  
(from the year of manufacture 2005)

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

85 / 250 / 500 mm

**für G20 / G20 S2 / G2A / G22**

more accessories on page 81



See-through cover



Stop square



Milling jig for Minispot patching rods



## 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 features

- **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

in wooden case.....	<b>Art.No.</b> <b>111702</b>
---------------------	---------------------------------

### Kit contains

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

### Accessories

<b>Milling jig</b> for Minispot patching rods .....	<b>Art.No.</b> <b>121702</b>
85 / 250 / 500 mm	
<b>für G20 / G20 S2 / G2A / G22</b>	

more accessories on page 81



## Patchmaker 2

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



### Advantages and features

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

### Technical data

Power .....	250 W / 500 W
Voltage .....	230 V or 120 V
Speed .....	18'000 min <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 81

## Patchmaker 20

The patch-making machine for the manufacture of individual patches sizes 20 or 2



### Advantages and features

- The patch is made from the same wood piece as the workpiece
- Using your own wood offers a perfect match between workpiece and patch
- Suitable for continuous operation
- Capacity: up to 8 pieces size 20 / min or 16 pieces size 2 / min
- Extremely efficient with rapid wood feeder, lowest wood waste rate 71 x 23 x (200) mm

### Technical data

Power .....	1100 W / 500 W
Voltage .....	380 V / 230 V
Speed .....	8'500 min <sup>-1</sup> / 25'000 min <sup>-1</sup>
Tools .....	Carbide tipped profile cutter Z2 + 2 Carbide tipped saw blade
Weight.....	~ 18 kg

### Patchmaker 20

### Art.No.

Delivery time on request..... 111630

### Kit contains

Machine (without profile cutter) with:  
suction hoses, set of tools, manual  
Accessories see page 81



## 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 features

- **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

in wooden case..... **Art.No. 111851**

### Kit contains







Machine with:  
set of tools, manual, wooden case

Accessories see page 83

# Patches

## Patches

To patch wood defects and damaged areas

Profile	Size	Width mm	Height mm	Length mm	Quantity per box
	2	8	13	69	500
	20	20	11	65	160
	20 K	20	17	81	55
on request 	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  
Merbau  
Obeche  
Pear-tree  
Ponderosa pine  
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*
Maple	15 0602 K100	15 0602	15 0620
Beech nat.	15 0702 K100*	15 0702*	15 0720
Larch	15 0802 K100*	15 0802*	15 0820*
Poplar	15 1002 K100	15 1002	15 1020
Silver fir	15 1102 K100*	15 1102*	15 1120
Stone pine	15 1202 K100	15 1202	15 1220
Beech	15 1602 K100*	15 1602*	15 1620
Larch Siberian	15 5202 K100*	15 5202*	15 5220
Mahogany	15 2502 K100	15 2502	15 2520
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
<b>Jumbo Box</b>		<b>1500 pieces</b>	<b>500 pieces</b>
Spruce-fir		15 0002J*	15 0020J
Larch		15 0802J*	15 0820J
Douglas fir / Oregon Pine		15 2902J	15 2920J
<b>Industrial package</b>		<b>7000 pieces</b>	<b>2500 pieces</b>
Spruce-fir		15 0002I*	15 0020I*
Spruce nat. <sup>2</sup>		15 0102I*	15 0120I
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
<b>Edge patches</b>		<b>Size 20K</b>	
		<b>55 pieces</b>	<b>850 pieces</b>
Spruce-fir		15 0023	15 0023I
Larch siberian		15 5223	15 5223I

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

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

Articles not in stock cannot be returned.

## Patches



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

## Patching rods



Wood species	Size	Length*			Quantity	Art.No.
		85 mm	250 mm	500 mm		
Spruce-fir	2	85 mm			500	15 0002L08
			250 mm		100	15 0002L25
				500 mm	100	15 0002L50
Spruce-fir	22		250 mm		50	15 0022L25
				500 mm	50	15 0022L50
			250 mm		100	15 0008L25
Spruce-fir	8		250 mm		100	15 0008L25
				500 mm	100	15 0008L50
		85 mm			220	15 0020L08
Spruce-fir	20	85 mm			220	15 0020L08
			250 mm		45	15 0020L25
				500 mm	45	15 0020L50
Pine	2		250 mm		100	15 0302L25
				500 mm	100	15 0302L50
		85 mm			220	15 5220L08
Larch, Siberian	20	85 mm			220	15 5220L08
			250 mm		45	15 5220L25
				500 mm	45	15 5220L50

### Industrial package

Wood species	Size	Length*		Quantity	Art.No.
		250 mm	500 mm		
Spruce-fir	8	250 mm		2500	15 0008IL25
			500 mm	1600	15 0008IL50
Spruce-fir	20	250 mm		900	15 0020IL25
			500 mm	630	15 0020IL50
Pine	20	250 mm		900	15 0320IL25
			500 mm	630	15 0320IL50
Larch	20	250 mm		900	15 0820IL25
			500 mm	630	15 0820IL50

\* Nominal length = Traverse path

## Knot patches and Crossbar pins

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

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

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

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



# Renovating Windows

«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





# 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 features

### 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



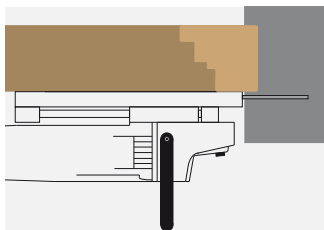
Smoothly running base plate is instantly retracted by the strong spring

# 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 features

- **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

**Art.No.**

in wooden case ..... **111553**

## Kit contains

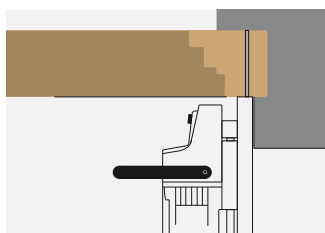
Machine with:  
4 m suction hose with suction stub, diamond blade  
Ø 180 x 2.6 x 22 mm, safety glasses, set of tools, manual,  
wooden case

Accessories see page 82

# 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 rabet stop



Cut groove for door seal with the rabet stop

## Advantages and features

- **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 82



# 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 features

- 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 82

## 3S Pa

The expansion gap and parquet cutter



Plastic inlays 3, 5 and 7mm



Cutting gap



Expansion gaps

### Advantages and features

- 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 82

# Edge processing with the **Profila**





The edge profiling machine with a stable surface for various jobs

## Advantages and features

### 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



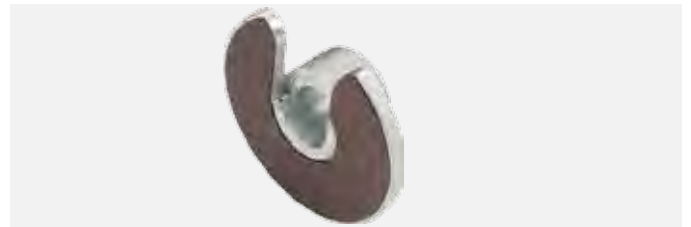
No special cutters required. Use your existing cutters. The machines are shipped with collet chucks  $\varnothing$  6mm, 8mm and  $\frac{1}{4}$ ".

### 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 E plus

The edge profiling machine with electric motor for flush-milling, edge-milling and profiling of edges even on curved workpieces



For every workshop  
Ergonomic  
Use it anywhere



Rounding edges



Flush-trimming edges

## Advantages and features

- Easy and stepless precision adjustment of the cutting depth by simply turning the base plate
- 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
- 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

## Technical data

Power .....	500 W
Voltage .....	230 V
Speed .....	25'000 min <sup>-1</sup>
Base plate .....	Ø 100 mm with tool opening 34 mm, reducer 25 mm
Weight.....	1.8 kg

## Profila E plus

## Art.No.

Profila E plus, base plate with gap in wooden case.....	<b>111962</b>
in carton .....	<b>111962K</b>

## 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 83

# Profila P

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



Profila P2



Profila Pro plus



Light and ergonomic handling  
Only 900 g



Rounding edges



Flush-trimming edges

## Advantages and features

- **Easy and ergonomic handling**
- **Easy and stepless precision adjustment** of the cutting depth by turning the base plate
- Plastic hand protection, no more cold hands
- Optimized muffler, therefore quieter
- **Adjustable tool speed**
- Small, variable tool opening for 25 or 34 mm

### 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.
- **More powerful motor** for thick edges such as ABS and PVC

## Technical data

	Profila P2	Profila Pro plus
Power .....	300 W.....	400 W
Speed .....	21'000 min <sup>-1</sup> .....	22'000 min <sup>-1</sup>
Air consumption .....	150 l/min .....	180 l/min
Operating pressure.....	max. 6.5 bar.....	max. 6.5 bar
Base plate .....	Ø 100 mm with tool opening 34 mm, reducer 25 mm	
Weight.....	0.9 kg .....	1 kg

## Profila P

## Art.No.

Profila P2 .....	<b>111954</b>
Profila Pro plus .....	<b>111964</b>

## 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 83



# 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 features

- **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

<b>Cantex Ergo</b>	<b>Art.No.</b>
in wooden case .....	<b>111857</b>

## Kit contains

Machine with:  
set of tools, manual, wooden case

<b>Accessories</b>	<b>Art.No.</b>
<b>Parallel guide stop for Cantex Ergo / S2.....</b>	<b>121290</b>

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

Accessories see page 83

# Lamina E2

For chip-free and precise flush or chamfer cutting of plastic laminates, wood veneers, non-ferrous metals and most composite materials



Perfect cutting quality



Trimming of surfaces



Trimming of edges



Use in many materials

### Advantages and features

- Cutting geometry guarantees **chip-free and clean cutting**
- Combines maximum working speed and a **perfect cut**, eliminating the need for filing and sanding
- **Quick and easy set up** for 90°-flush and chamfer milling by simple turning of the front
- Small cutting width effects a long lasting cutter
- No scratching of the work piece surface due to the exchangeable base plate made in plastic
- Square stop for flush cutting of edge bandings

### Technical data

Power .....	300 W
Voltage .....	230 V
Speed .....	28'000 min <sup>-1</sup>
HW-Cutter .....	Z4, Ø 30 mm, 35° (optional 22°, 45°)
Cutting depth .....	at 90° up to 3 mm at 35° up to 4 mm
Weight.....	1.9 kg

### Lamina E2

### Art.No.

in wooden case ..... **111990**

### Kit contains

Machine with:  
carbide tipped cutter Z4, square stop, set of tools, manual, wooden case

Accessories see page 83

# Spare Parts

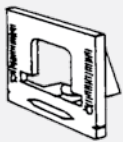

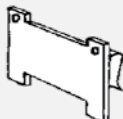

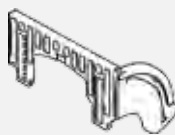
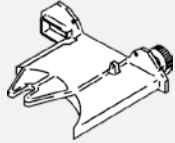
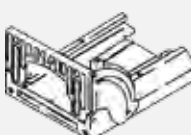

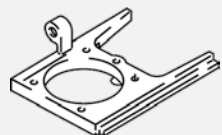
«It is a real pleasure when I can reanimate older Lamello machines.»

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





# Spare parts

Front stop, plastic		..... 25 1320 .....	<b>Junior 10</b>
Anti-slip pad		..... 33 1050 .....	<b>Junior 10</b>
Slip-on plate 2 mm		..... 25 1023 .....	<b>Junior 10</b>
Slip-on plate 4 mm		..... 25 3022 .....	<b>Junior 10</b>
Swivelling stop		..... 25 1020 .....	<b>Junior 10</b>
Cassette		..... 25 1005 .....	<b>Junior 10</b>
Base plate incl. Swivelling stop		..... 25 1000 .....	<b>Junior 10</b>
Base plate		..... 25 1300 .....	<b>Junior 10</b>
Guide		..... 25 1030 .....	<b>Junior 10</b>
		..... 25 1704 .....	<b>Minisport G2A</b>
		..... 25 1704 .....	<b>Minisport G2</b>
		..... 25 1731 .....	<b>Minisport G20 S2</b>
		..... 25 1731 .....	<b>Minisport G20</b>
		..... 25 1322 .....	<b>3S</b>
		..... 25 1322 .....	<b>3S Pa</b>
		..... 25 7001 .....	<b>Tanga Swiss</b>
		..... 25 6101 .....	<b>Tanga 1811 S / 1811 S2</b>
		..... 25 1210 .....	<b>Tanga 180 / 1811</b>
		..... 25 1551 .....	<b>Tanga Delta</b>
		..... 25 1858 .....	<b>Plano 45 / S / Cantex/ S</b>
		..... 25 1858 .....	<b>Plano 45 S2 / Cantex S2 / Ergo</b>
		..... 25 4301 .....	<b>Zeta</b>
		..... 25 4301 .....	<b>Top 21</b>
		..... 25 4301 .....	<b>Top 20 S2 / S3 / S4</b>
		..... 25 4050 .....	<b>Top 20 / Top 20 S</b>
		..... 25 1010 .....	<b>Top 10</b>
		..... 25 4550 .....	<b>Experta / Classic C3</b>
		..... 25 4550 .....	<b>Classic C2</b>
		..... 25 1230 .....	<b>Classic</b>
		..... 25 1030 .....	<b>Standard 10A</b>

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



# Accessories / Joining

## Cutters, saw blades



Art. 132000



Art. 132106



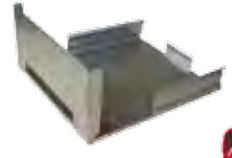
Art. 132001



Art. 132130



Art. 132108



Art. 132350



Art. 132380

<b>Carbide tipped groove cutter, Ø 100 x 4 x 22 mm</b>		<b>Art.No.</b>
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

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

<b>Carbide tipped groove cutter with reversible blades, Ø 100 x 4 x 22 mm</b>		<b>Art.No.</b>
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

<b>Carbide tipped groove cutter with reversible blades, Ø 100 x 8 x 22 mm (Clamex S connector)</b>		<b>Art.No.</b>
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

<b>Slide shoe, to protect the wall and the machine</b>		<b>Art.No.</b>
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

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

<b>Carbide tipped saw blades for expansion gaps, Ø 100 x 2.4 x 22 mm</b>		<b>Art.No.</b>
Z20, 4 screw holes, 2 spacers .....	for Zeta, Top 20, Top 21, Classic	132350
Z20, with flange M8 .....	for Zeta, Classic	132380
Z20, with flange M10 .....	only for Classic	132381

<b>Accessories for saw blades</b>		<b>Art.No.</b>
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					
<b>Height adjustment</b>	-2	-1	±0	+1	+2
Top 20, S2, S3, S4 Top 21	Height adjustment +				

Accessories  
Miscellaneous



### Cutters for Zeta



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

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

### Tools for CNC processing



<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>

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

### Accessories Clamex S / P

<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>

<b>Spacer</b>	<b>Art.No.</b>
5 mm.....	<b>for Top 21 / Zeta</b> ..... <b>253027</b>



<b>Drill jig 30°–150°</b>	<b>Art.No.</b>
Drill jig (60 mm) incl. drill for Clamex P.....	<b>125340</b>
Drill jig (100 mm) incl. drill for Clamex P.....	<b>125342</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>Cover caps</b>	<b>Art.No.</b>
White .....	<b>100 pieces</b> ..... <b>335280</b>
Black.....	<b>100 pieces</b> ..... <b>335281</b>
Pine (RAL 1014).....	<b>100 pieces</b> ..... <b>335282</b>
Beech (RAL 1011).....	<b>100 pieces</b> ..... <b>335283</b>
Brown (RAL 8007)....	<b>100 pieces</b> ..... <b>335284</b>

<b>Covering stickers</b>
Overview on request

# Accessories / Joining

## Glueing System



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



		<b>Art.No.</b>
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 .....	Inside dimensions Ø 60 x 90 mm .....	<b>533260</b>
	Inside dimensions 134 x 60 x 60 mm .....	<b>533261</b>
Distributor .....	for 2–3 additional hoses .....	<b>533238</b>
Connector .....	with external thread .....	<b>533230</b>
	with 2 screws .....	<b>533240</b>
Hose mounted .....	Ø 10 x 4000 mm .....	<b>533215</b>
	Ø 13 x 4000 mm .....	<b>533216</b>
Hose .....	Ø 10 mm per meter .....	<b>533210</b>
	Ø 13 mm per meter .....	<b>533213</b>
Hose fitting set.....	Ø 10 mm.....	<b>533222</b>
	Ø 13 mm.....	<b>533223</b>
Twist joint for hose.....	Ø 10 mm, complete.....	<b>533265</b>
Empty glue container .....	incl. cover with 1 hole.....	<b>533224</b>
	incl. cover with 1 hole.....	<b>533225</b>
	incl. cover with 2 holes .....	<b>533226</b>
Clip-on cover .....	without hole for container .....	<b>533205</b>
Screw cover .....	without hole for container .....	<b>533224</b>



# Accessories / Repairing

## 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, ..... Patchmaker 20, Variocut	<b>132301</b>
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### Carbide tipped profile cutter Z2 Art.No.

Shaft-Ø 8 mm.....	for Patchmaker 2.....	<b>131600</b>
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### 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



<b>Carbide tipped saw blades</b>		<b>Art.No.</b>
<b>Ø 200 x 2.4 x 22 mm (cutting depth 68 mm)</b>		
Z12, 4 screw holes .....	<b>for Tanga Delta</b> .....	<b>132322</b>
Z24, 4 screw holes .....	<b>for Tanga Delta</b> .....	<b>132320</b>
Z24 special, 4 screw holes .....	<b>for Tanga Delta</b> .....	<b>132321</b>
(only suited for cutting into the wood without moving the machine)		
<b>Ø 180 x 2.4 x 22 mm (cutting depth 60 mm)</b>		
Z12, 6 screw holes .....	<b>for Tanga Swiss, 1811, Dia</b> .....	<b>132317</b>
Z24, 6 screw holes .....	<b>for Tanga Swiss, 1811, Dia</b> .....	<b>132318</b>
Z24 special, 6 screw holes .....	<b>for Tanga Swiss, 1811, Dia</b> .....	<b>132319</b>
(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 .....	<b>for Tanga 150, 1511</b> .....	<b>132315</b>
Z24, 6 screw holes .....	<b>for Tanga 150, 1511</b> .....	<b>132316</b>
Z26 special, 6 screw holes .....	<b>for Tanga 150, 1511</b> .....	<b>132314</b>
(only suited for cutting into the wood without moving the machine)		

<b>Diamond blades</b>		<b>Art.No.</b>
<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 .....	<b>for Tanga Delta</b> .....	<b>132517</b>
<b>Ø 180 x 2.6 x 22 mm (cutting depth 58 mm)</b>		
4 screw holes .....	<b>for Tanga Delta</b> .....	<b>132519</b>
4 screw holes .....	<b>for Tanga Dia</b> .....	<b>132518</b>

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

<b>Rabbit stop for Tanga</b>		<b>Art.No.</b>
.....	<b>for Tanga 180, 1811 S, Swiss</b> .....	<b>251525</b>
.....	<b>for Tanga Delta H, S2</b> .....	<b>121556</b>

## 3 SPa / Variocut



<b>Carbide tipped saw blades Z20</b>		<b>Art.No.</b>
<b>Ø 120 x 2.4 x 22 mm</b>		
with 2 spacers .....	<b>for 3S Pa</b> .....	<b>132312</b>
with flange M8 .....	<b>for 3S Pa</b> .....	<b>132382</b>
<b>Ø 100 x 2.4 x 22 mm</b>		
with 2 spacers .....	<b>for Variocut</b> .....	<b>132301</b>

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

# Accessories / Edge processing

## Profila



<b>Carbide tipped edge cutters</b>		<b>Art.No.</b>
Radius 3 mm, shaft-Ø 8 mm.....	<b>for Profila E, P</b> .....	<b>131986</b>
Radius 2 mm, shaft-Ø 8 mm.....	<b>for Profila E, P</b> .....	<b>131987</b>

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

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

## Cantex Ergo / Plano



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

## Lamina



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



# Suction accessories



<b>Suction set complete</b>		<b>Art.No.</b>
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 30.1 .....	<b>for Tanga Delta, G20, Lamina, Plano</b> .....	<b>121815</b>
	Inner diameter 30 mm 4 m suction hose grey incl. Adapter 58 mm	
Suction set 30.2 .....	<b>for Tanga Delta, G20, Lamina, Plano</b> .....	<b>121820</b>
	Inner diameter 30 mm 4 m Absaug Schlauch mit Anschlussmuffe 58 mm	
<b>Parts</b>		<b>Art.No.</b>
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,</b> .....	<b>331006</b>
	<b>Trimming unit Patchmaker</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 bag adapter .....	<b>for Dynamik</b> .....	<b>283035</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,</b> .....	<b>281804</b>
	<b>Directa, Top</b> fits suction hose, int. Ø 23 mm	

## Air wedge



### Advantages and features

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**

## Moisture meters



### Advantages and features

#### Miniligno

Moisture meter for wood

- Measuring range: 6–20%
- Incl. battery, replacement pins, bag

#### Miniligno S

Moisture meter for wood and building materials

- Measuring range wood: 6–20%
- Measuring range building materials: dry, damp, wet
- Incl. battery, replacement pins and bag

#### CombiScan

Moisture measuring without perforating of the surface

- With contact electrodes instead of pins
- Measuring depth is switchable between 7 or 20 mm
- Digital display, measuring range 5.4–60%
- Adjustable for 30 woods species = 15 groups of density

### Moisture meters

**Art.No.**

Miniligno ..... **021000**

Miniligno S..... **021010**

CombiScan ..... **021015**

## Worktop / Countertop jigs



### Advantages and features

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**

# Miscellaneous

## Carbide cutters



Art. 131300



Art. 131305



Art. 131970

Carbide tipped cutters	Size	Shaft	Art.No.
for worktop jig.....	Ø 12.7 x 50 mm..... total length 100 mm	Ø 12 mm.....	<b>131300</b>
for worktop jig with reversing teeth .....	Ø 12.7 x 50 mm..... total length 100 mm	Ø 12 mm.....	<b>131305</b>
for Perfora .....	Ø 10 x 15 mm.....	Ø 8 mm.....	<b>131970</b>

Spare parts for cutter 131305		Art.No.
Carbide-Reversing blades .....	10 pieces .....	<b>131310</b>
Set screw M2½ x 2½.....	for reversible blades 131310 .....	<b>352202</b>

## Other accessories



	Art.No.
<b>LEPUS</b>	
Finishing disc, fine (Grain 500).....	100 x 50 x 20 mm ..... <b>135017</b>
Grinding disc, rough (Grain 60) .....	100 x 50 x 20 mm ..... <b>135032</b>
<b>WSL (forerunner model of Lopus)</b>	
Corundum wheel (Grain 60).....	100 x 50 x 15 mm..... <b>135005</b>
Grinding solution WS01 .....	1.5 kg..... <b>275001</b>
	3.2 kg..... <b>275003</b>
	5.4 kg..... <b>275006</b>
	11.0 kg..... <b>275011</b>





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

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