



Lamello

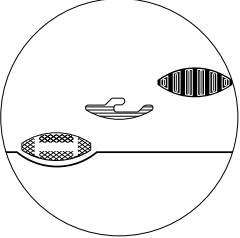
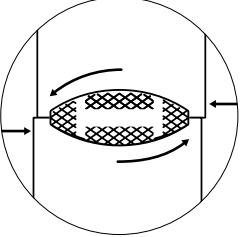
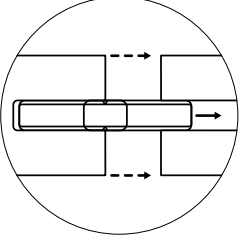
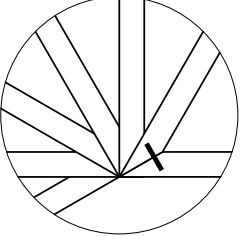
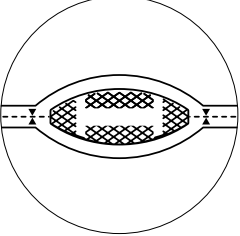
Lamello System



The original for efficient,
intuitive and precise joints

Lamello System	
The original for efficient, intuitive and precise joints	
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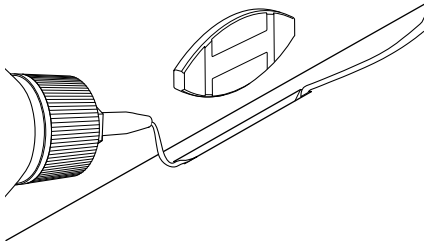
Features	
	Versatile applications One cutting principle for many different joining elements
	Lateral tolerance The generous sliding tolerance allows for perfect flush alignment of workpieces
	Perfect fit The precision of the joining elements and of the 4 mm groove lead to a perfect fit
	Versatile The minimal element depth allows for mitres of 22.5–180 degrees as well as surface and corner joints and divisions
	Symmetrical The identical groove in both workpieces leads to an increase in efficiency in production

Lamello System

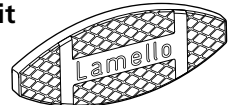
Overview

Joining methods	Connector	Machines		Sequence			
		Power tools	CNC machines	1 Cut	2 Apply glue	3 Insert the connector	4 Clamp

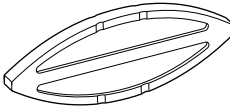
Glueing



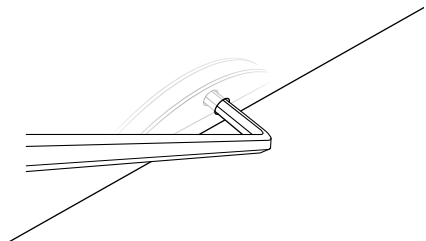
Original wood biscuit



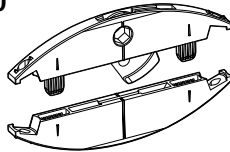
C20



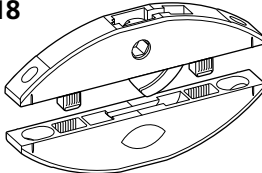
Detachable




Clamex S-20



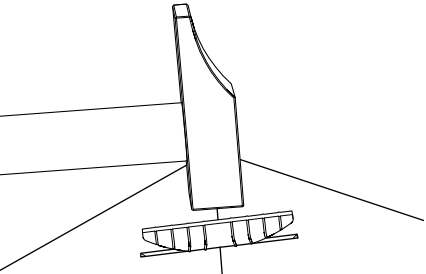
Clamex S-18



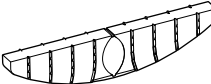
Simplex



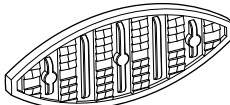
Inserted

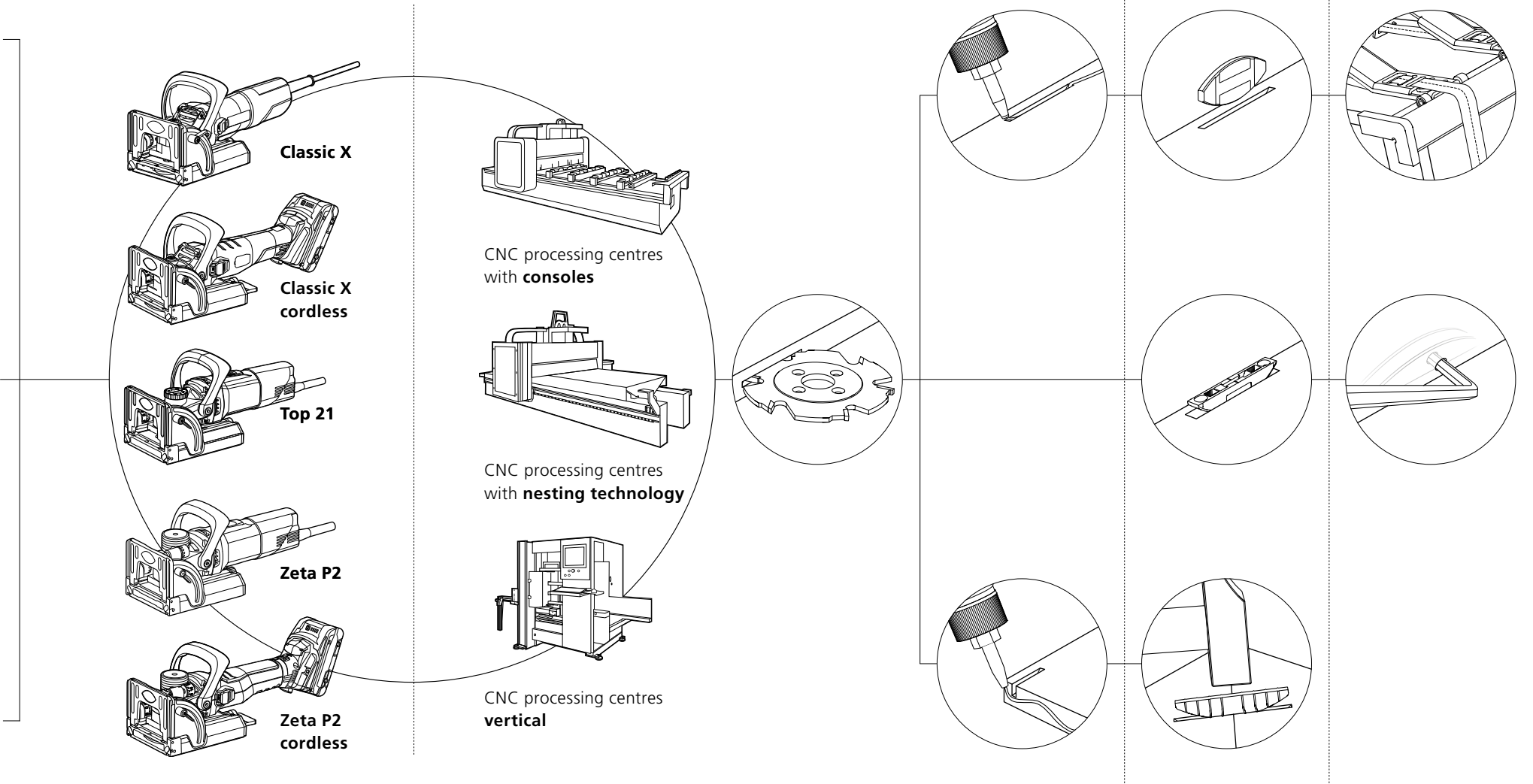



E20



K20





A man with short grey hair, smiling, wearing a light green polo shirt with 'LADENMACHER' and '© 2014' on the chest, and dark work pants with a black belt. He is standing in a factory or warehouse with metal shelving units in the background. To his left are two large yellow rectangular blocks. Below them are two circular objects with red and white labels. The overall scene is brightly lit.

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

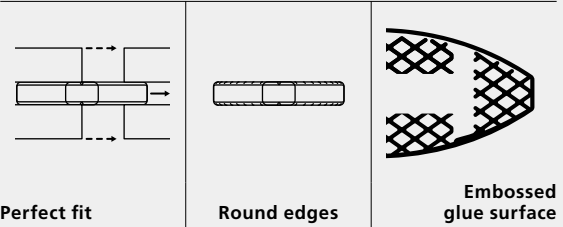
Antonio Orlando, Head of Production Ladenmacher AG
in Hägendorf, Switzerland

Original wood biscuit

The original wood biscuit that always fits




Features

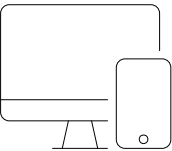


The original wood biscuit is the proven solution for wood joints and the original from the inventor of the system. The original wood biscuit guarantees quality with its dimensional accuracy, optimal glue distribution, dimensional stability as well as the sustainable cultivation of the beech wood. The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

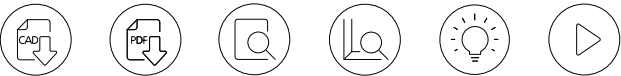
Articles

	Art. No.
Original wood biscuit 20	144020
1000 pieces	
	Art. No.
Original wood biscuit 10	144010
1000 pieces	
	Art. No.
Original wood biscuit 0	144000
1000 pieces	
	Art. No.
Original wood biscuit H9*	144009
1000 pieces	
Assorted	Art. No.
500/250/250 pieces (20/10/0)	144030

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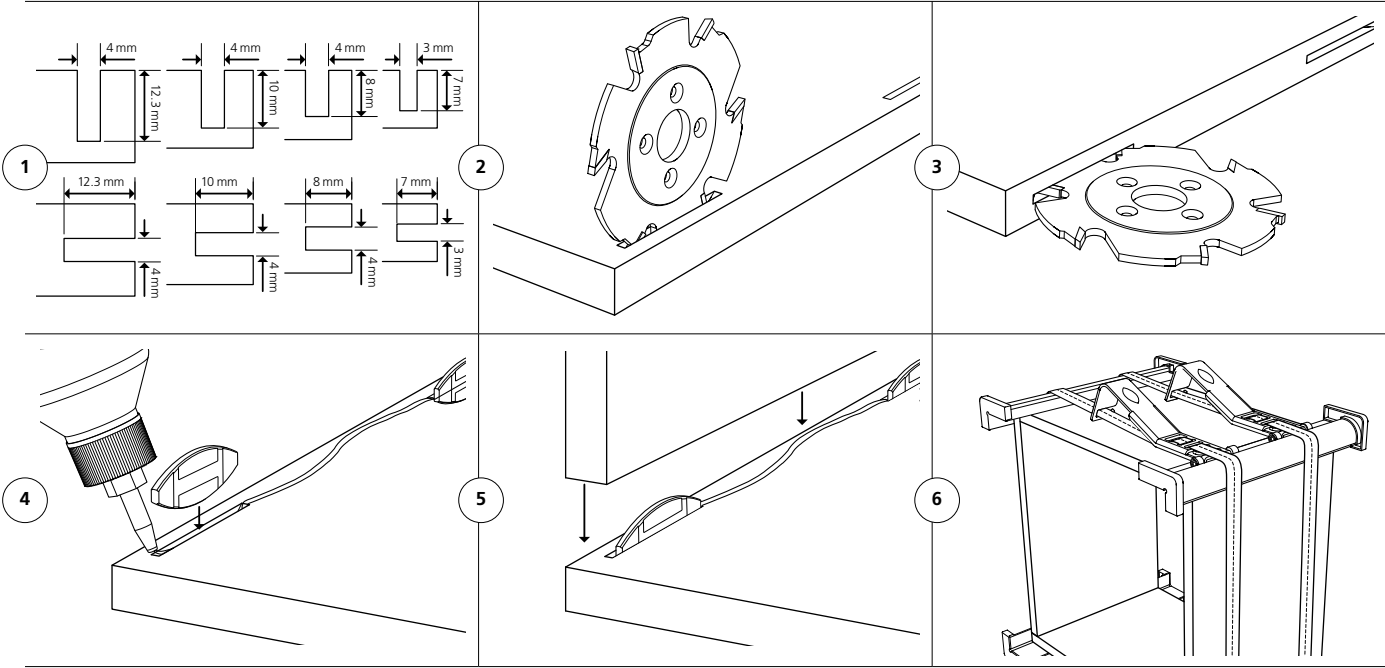


Experience the connector live and receive comprehensive product information!

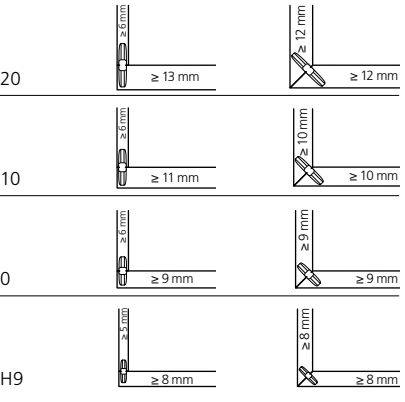


* Installation of wood biscuits with cutter Ø 100 x 4 x Ø 22 mm (standard cutter). Installation of H9 wood biscuits with cutter Ø 78 x 3 x Ø 22 mm (Art. No. 132009)

Function



Technical data

Joining methods	Size 20	56 x 23 x 4 mm
	Size 10	53 x 19 x 4 mm
	Size 0	47 x 15 x 4 mm
	Cutter	Ø 100 x 4 x Ø 22 mm
	Size H9	38 x 12 x 3 mm
	Cutter	Ø 78 x 3 x Ø 22 mm
	Material connector	Beech
	Installation tolerance	Long. ± 1.0 mm/radial ± 1.0 mm
	Clamping force (N)	Depending on the adhesive
	Material range	Particle board, MDF, plywood, softwood, hardwood etc.

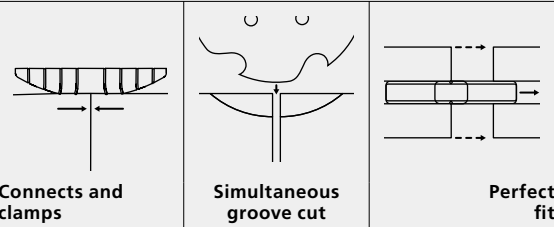
See **PAGE 42–43** for technical specifications

E20

The self-clamping element





Features



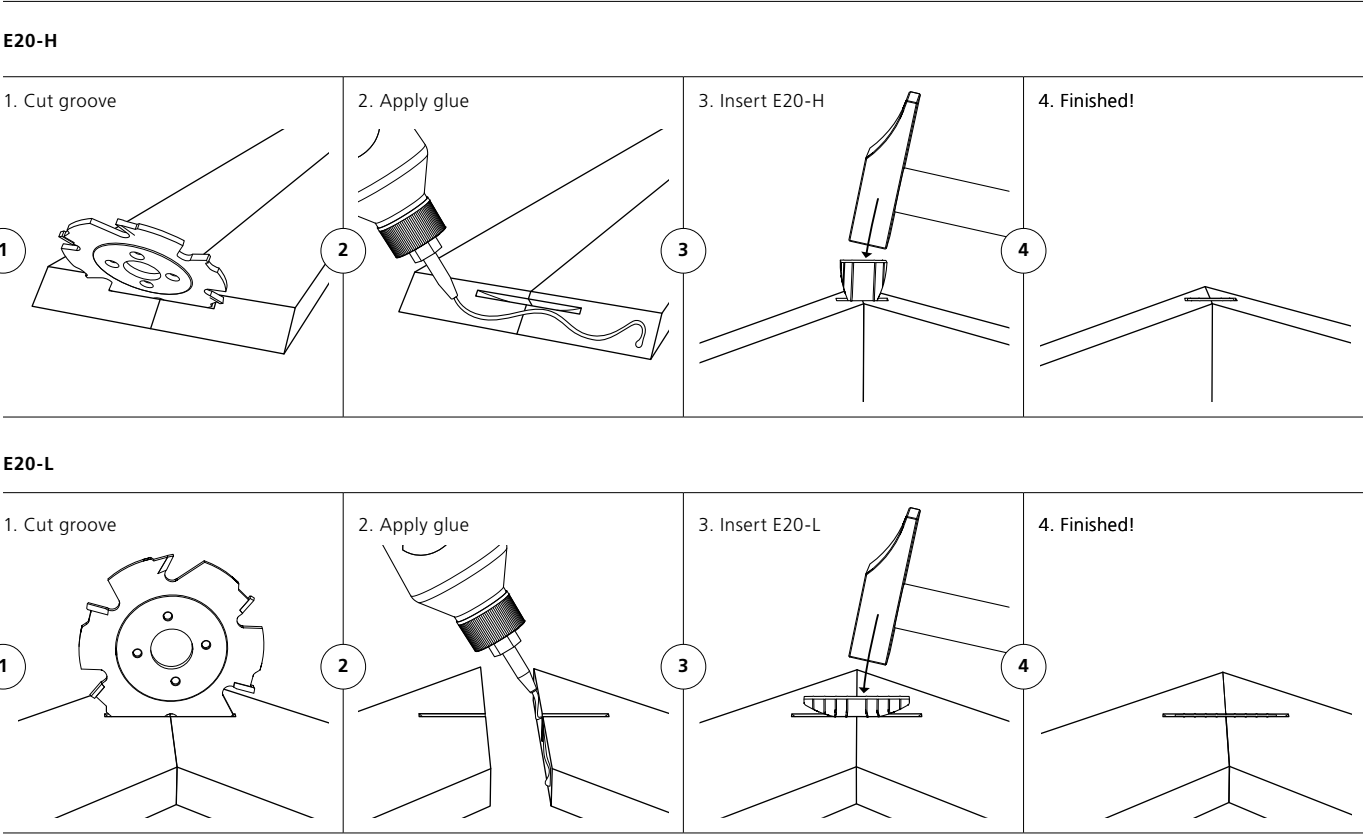
E20 is a self-clamping element and can be used with any Lamello biscuit joiner. The E20 is driven into the 4 mm groove using a hammer. During insertion, the curved ridges on each side of the connector hold in the groove and clamp the workpieces together. E20 serves as a perfect glueing aid in the workshop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

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

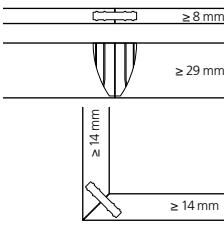
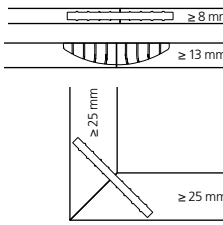
Articles

	
E20-H	Art. No.
80 pieces	145021
400 pieces	145026
1200 pieces	145028
	
E20-L	Art. No.
80 pieces	145022
400 pieces	145025
1200 pieces	145027
Assorted	Art. No.
40/40 pieces (E20-H/E20-L)	145020

Function

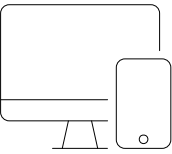


Technical data

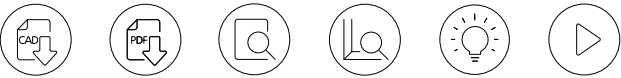
Joining methods E20-H  E20-L 	Size E20-H	23 × 28 × 4 mm
	Size E20-L	56 × 11.5 × 4 mm
	Cutter	Ø 100 × 4 × Ø 22 mm
	Material connector	Fiberglass reinforced plastic
	Clamping force (N)	Depending on the adhesive
	Material range	Particle board, MDF, plywood, softwood, hardwood etc.

See **PAGE 45** for technical specifications

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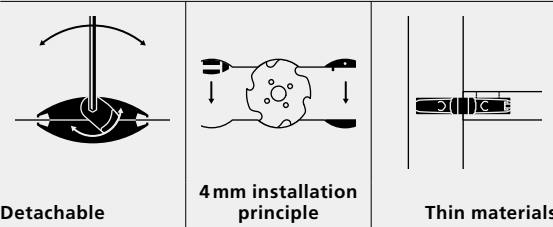


Clamex S-20

Detachable furniture connector for the 4 mm groove



Features




Clamex S-20 is a detachable connector for the Lamello system for material thicknesses from 16 mm and is fastened in the groove with screws.

The symmetric 4 mm grooves can be created with any biscuit joiner. Clamex S-20 is connected to the counterpart with a lever and has a lateral installation tolerance.

It requires no adhesive, enables aesthetic connections at all angles and is ideal for fixed or detachable connections.

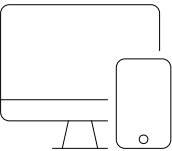
Articles

	Art. No.
Clamex S-20	
20 pairs, incl. screws	145243
80 pairs, incl. screws	145244
300 pairs	145245
1000 pairs	145246


	Art. No.
Clamex S-20 screw	
1500 pieces, Ø 3 x 12 mm	125255







	Art. No.
Clamex S-20 Starter set	
In Systainer ³ M137, scope of delivery:	145247
Clamex S-20, 80 pairs incl. screws,	
Clamex S-20 drill jig incl. drill Ø 6 mm,	
Clamex P Installation tool	

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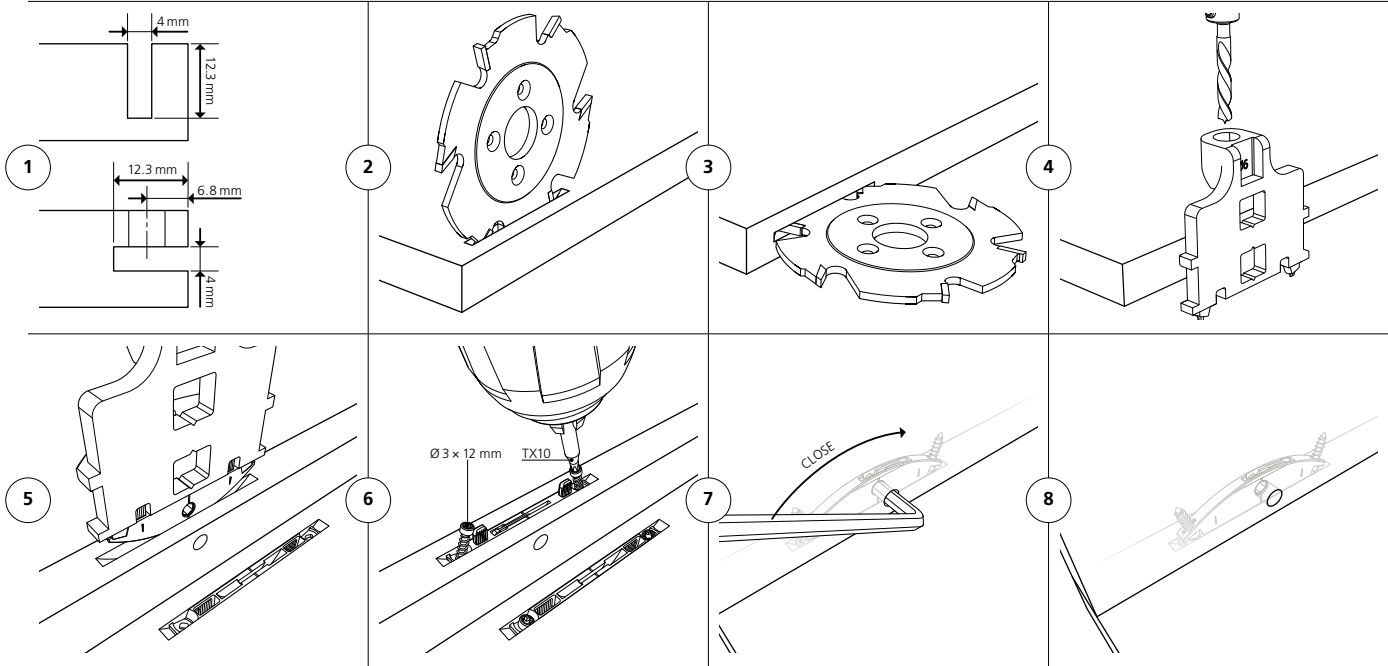


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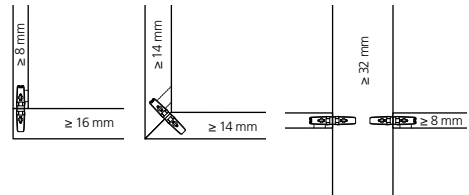




Function



Technical data

Joining methods 	Size	59 x 12 x 3.9 mm		
	Cutter	Ø 100 x 4 x 22 mm		
	Material connector	Fiberglass reinforced plastic		
	Material of lever	Zinc die cast		
	Screw	Panhead 3 x 12 mm		
	Installation tolerance	Long. ± 1 mm/radial ± 0 mm		
	Clamping force (N) Up to	MDF 620 ¹	Particle board 490 ¹	Beech 620 ¹
	Material range	Particle board, MDF, plywood, hardwood, HPL etc.		

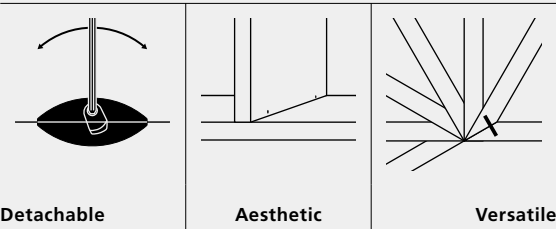
See **PAGE 44** for technical specifications | ¹ See comment on load limits on **PAGE 51**

Clamex S-18

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



Features




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

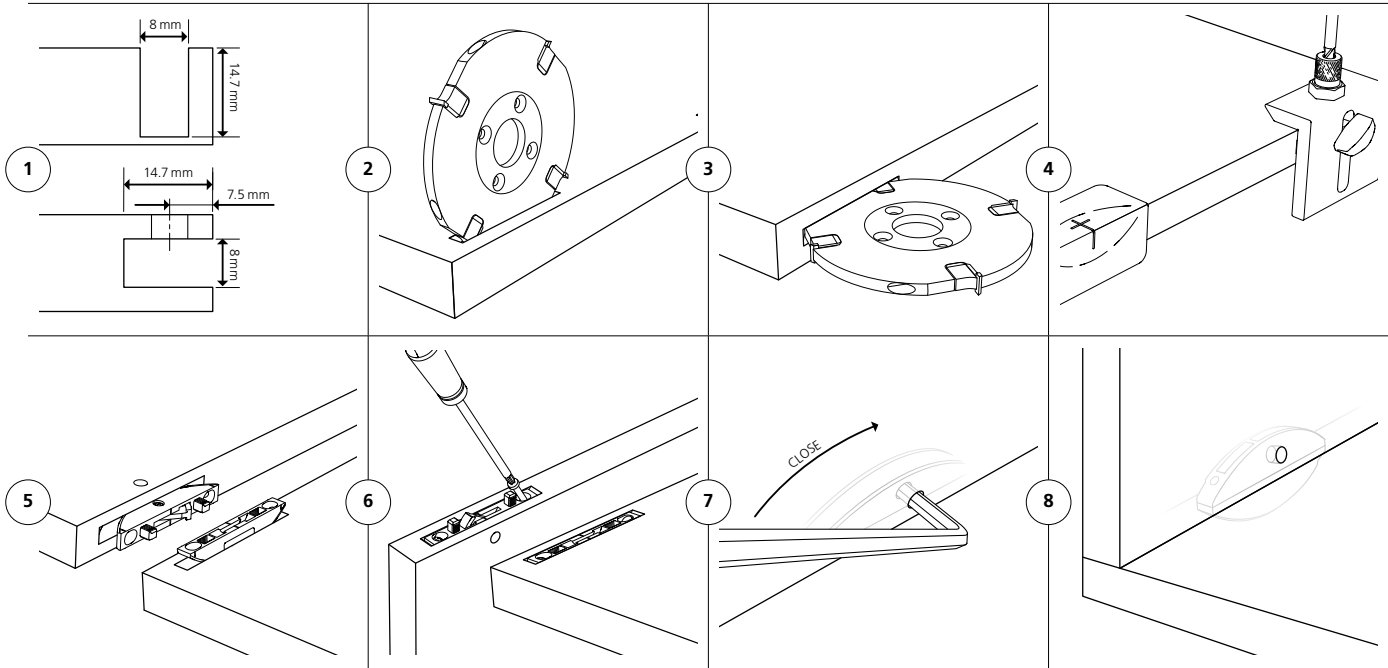
Clamex S-18 can be used with any Lamello biscuit joiner, allows aesthetic joints at all angles and is ideal for permanently joined or detachable mitres.

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

Articles

	Art. No.
Clamex S-18	
18 pairs, incl. screws 3 x 16 mm	145231
80 pairs	145236
300 pairs	145241
1000 pairs	145251

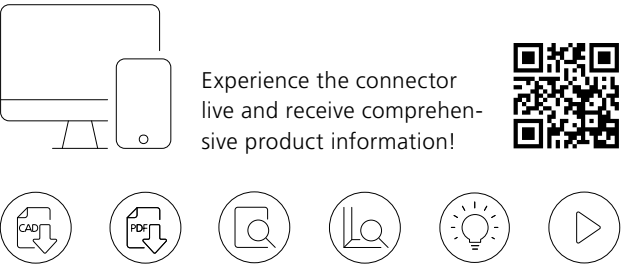
Function



Technical data

Joining methods	Size	66 x 29 x 8 mm		
	Cutter	Ø 100 x 8 x Ø 22 mm		
	Material connector	Fiberglass reinforced plastic		
	Material of lever	Zinc die cast		
	Screw	Panhead 3 x 16 mm		
	Installation tolerance	Long. ± 1.0 mm		
	Clamping force (N) Up to	MDF 600 ¹	Particle board 600 ¹	Beech 900 ¹
	Material range	Particle board, MDF, plywood, softwood, hardwood etc.		

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

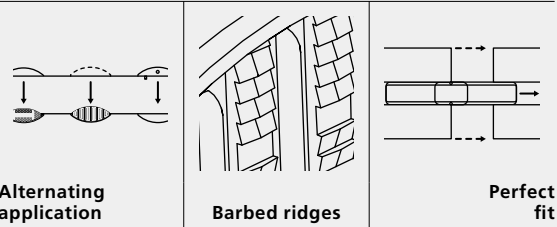
See **PAGE 44** for technical specifications | ¹ See comment on load limits on **PAGE 51**

K20

The clamping element, which holds the workpiece in position



Features



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

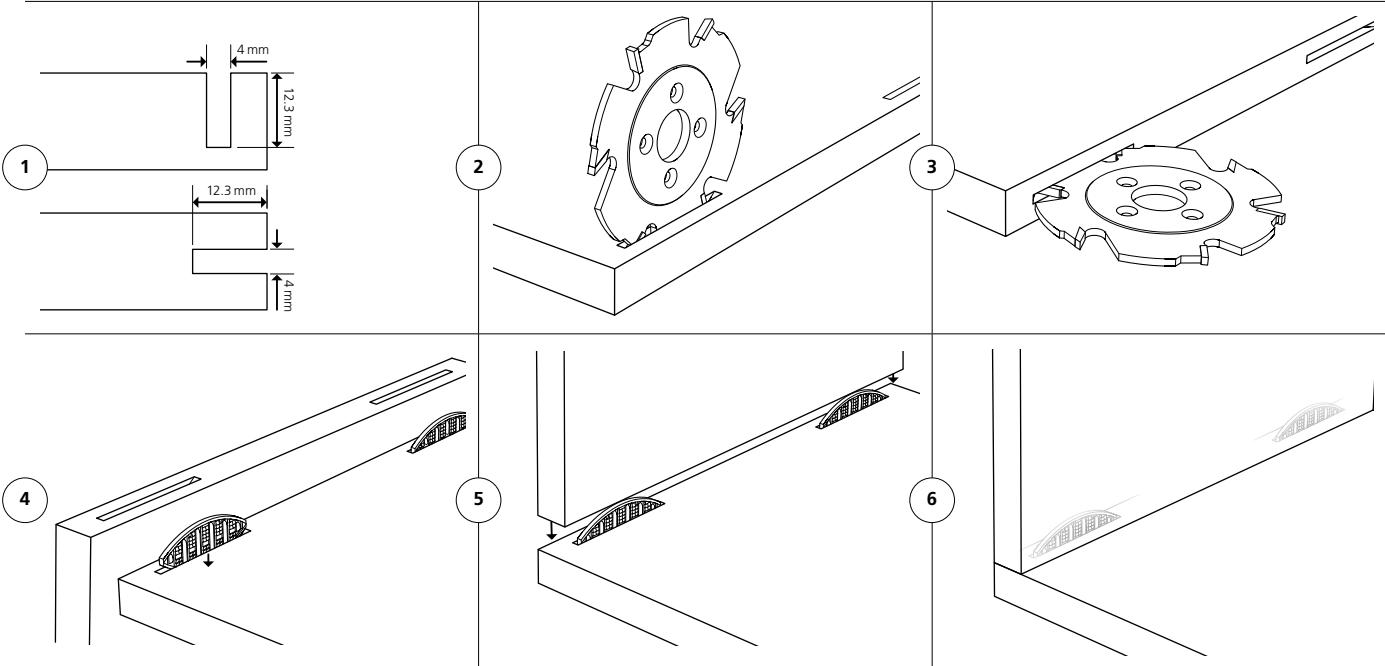
The clamping biscuit is ideal for difficult to clamp workpieces such as fillers or covers and is able to hold workpieces in the correct position until the adhesive is dry.

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

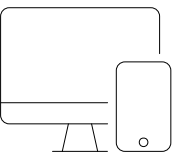
Articles

	Art. No.
K20	
80 pieces	145001
250 pieces	145000

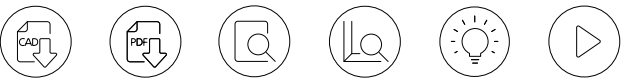
Function



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Experience the connector live and receive comprehensive product information!



Technical data

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

See **PAGE 45** for technical specifications

C20/C10

The transparent element



Features

Transparent	No swelling	Perfect fit

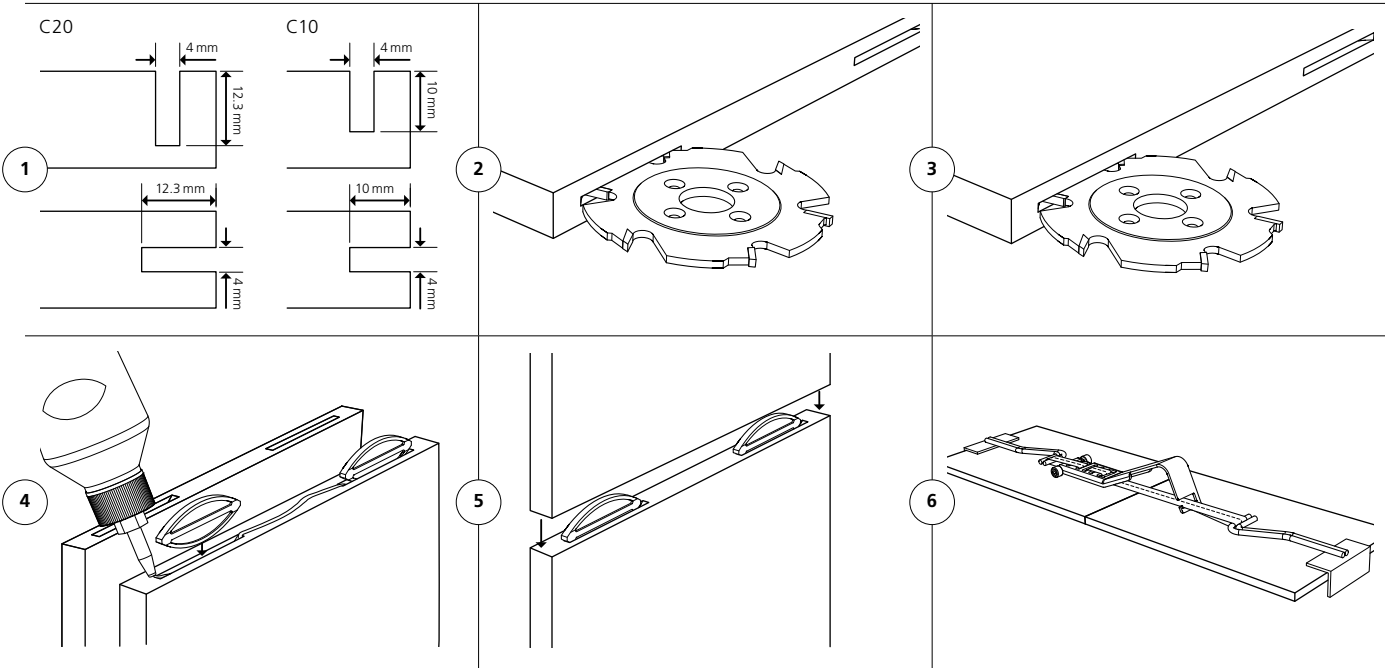
C10 and C20 plastic biscuits are the proven joining solution for mineral composite materials such as Corian, Varicor.

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

Articles

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

Function

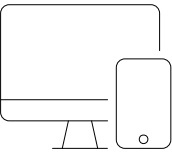


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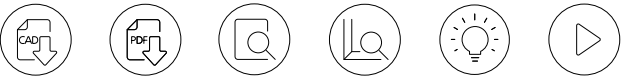
Joining methods 	Size C20	60 × 23 × 4 mm
	Size C10	53 × 19 × 4 mm
	Cutter	Ø 100 × 4 × Ø 22 mm
	Material connector	Plastic
	Installation tolerance	Long. ± 1.0 mm/radial ± 1.0 mm
	Clamping force (N)	Depending on the adhesive
	Material range	Mineral material panels (e.g. Corian)

See **PAGE 43** for technical specifications

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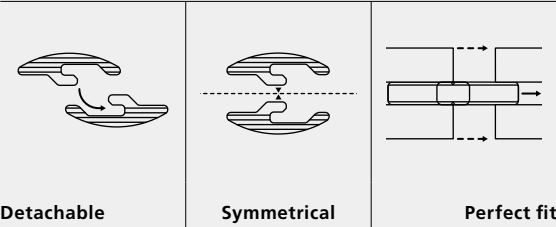


Simplex

Detachable slide-in connector




Features



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

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

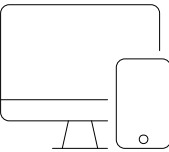
Articles

	Art. No.
Simplex	
50 pairs	166101
100 pairs	166100


Accessories






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

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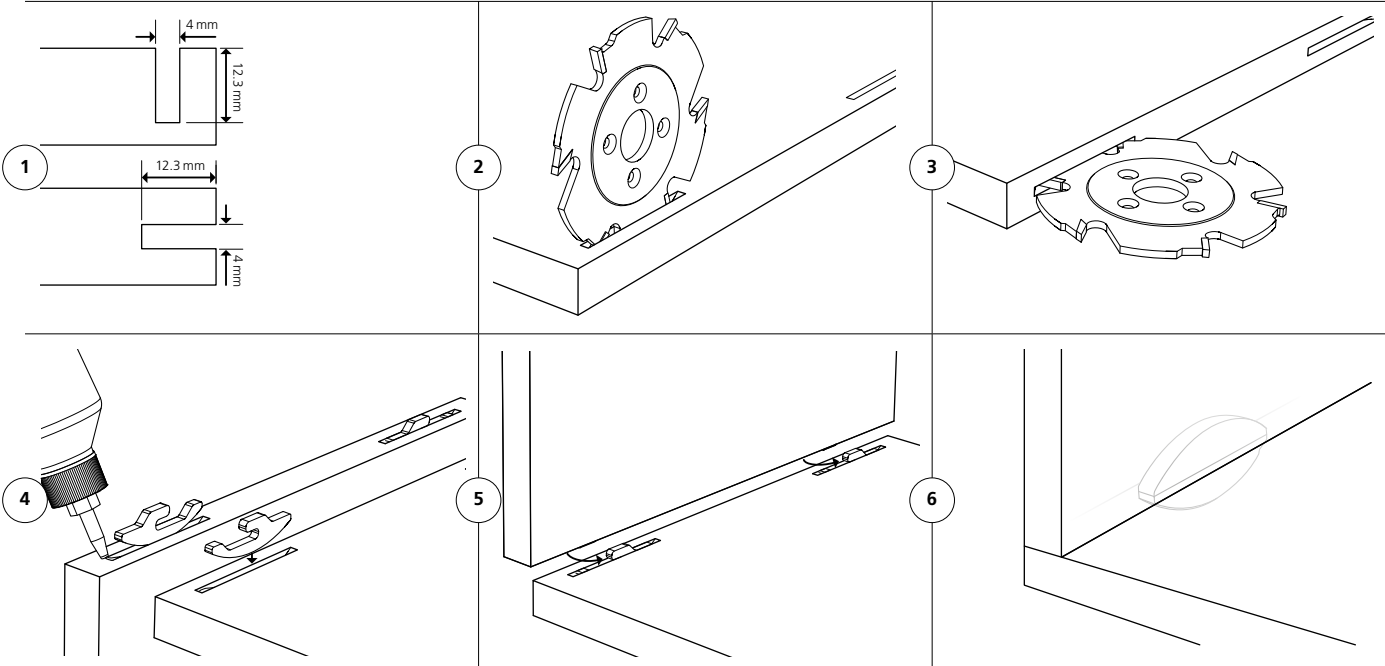


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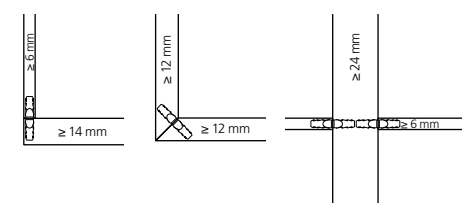




Function



Technical data

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

See **PAGE 44** for technical specifications

Application examples

Lamello System

- **Furniture manufacturing:** Cupboards, wardrobes, shelves, furniture, wine racks, sideboards, TV furniture, show cases, drawers, dining tables
- **Interior fitting:** Doors, roof windows, wall panels, cladding, wall elements
- **Applications:** Corner connections, surface connections, frames, furniture plinths, face frame, fillers, kitchen benchtops, door linings
- **Material range:** Particle board, MDF, plywood, softwood, hardwood, HPL, solid surface materials

Original wood biscuit H9



C20



K20



Original wood biscuit 20

Clamex S-18



Simplex



Original wood biscuit 0

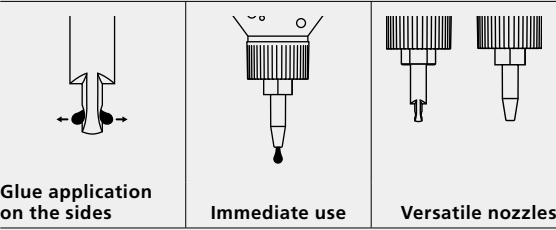


Minicol

The all purpose glue applicator



Features




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

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

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

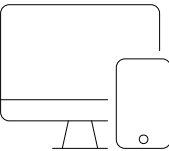
Articles

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

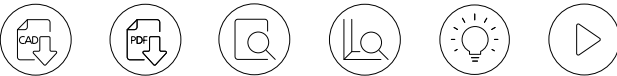
	
Minicol pointed nozzle	Art. No.
Plastic nozzle	335522

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

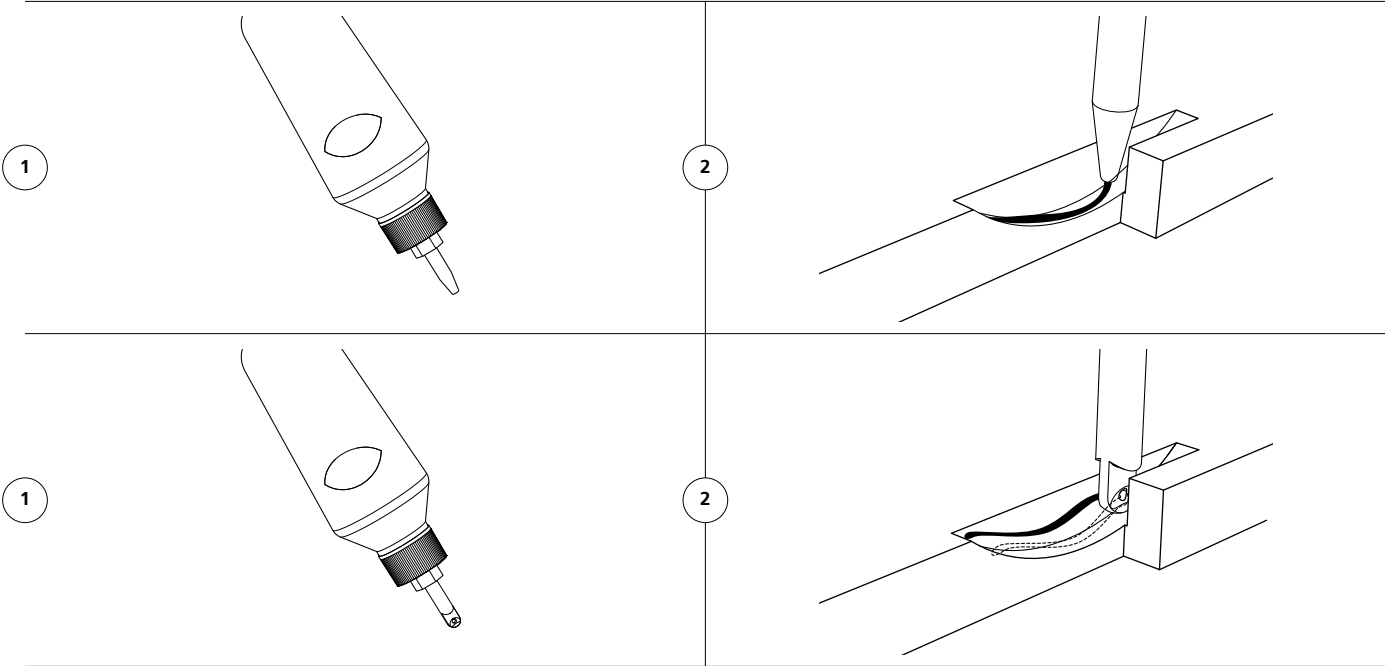
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Function



Technical data

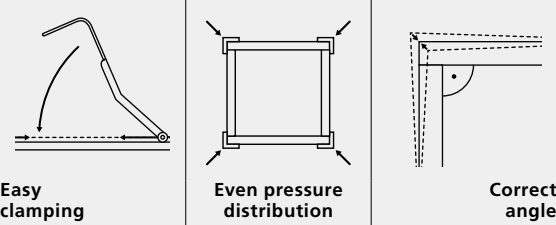
Dimension	100 × 100 × 230 mm	
Volume	300 ml	
Material	Base	Maple
	Bottle	Plastic
	Nozzle	Metal/Plastic

Clamping set

Clamping system for cabinets



Features



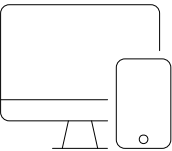
Clamping set is a system for glueing cabinets and various other components in furniture production and is an addition to the Lamello System. The clamping set consists of profile sections to protect the edges, 8 meter long straps with tensioners and two tension hooks. Unlike with screw clamps, the pressure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

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

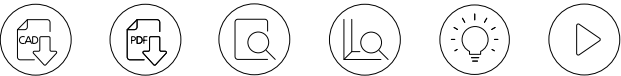
Articles

Clamping set		
20 cm	1 piece of clamps 8 m strap 4 pieces profile sections 20 m	Art. No. 175021
60 cm	2 pieces of clamps 2 pieces 8 m straps 4 pieces profile sections 60 cm 2 pieces tension hooks	Art. No. 175020
Tension hooks		
2 pieces		175200
Profile sections		
4 pieces, length 12 cm		175401
4 pieces, length 40 cm		175402
4 pieces, length 60 cm		175403

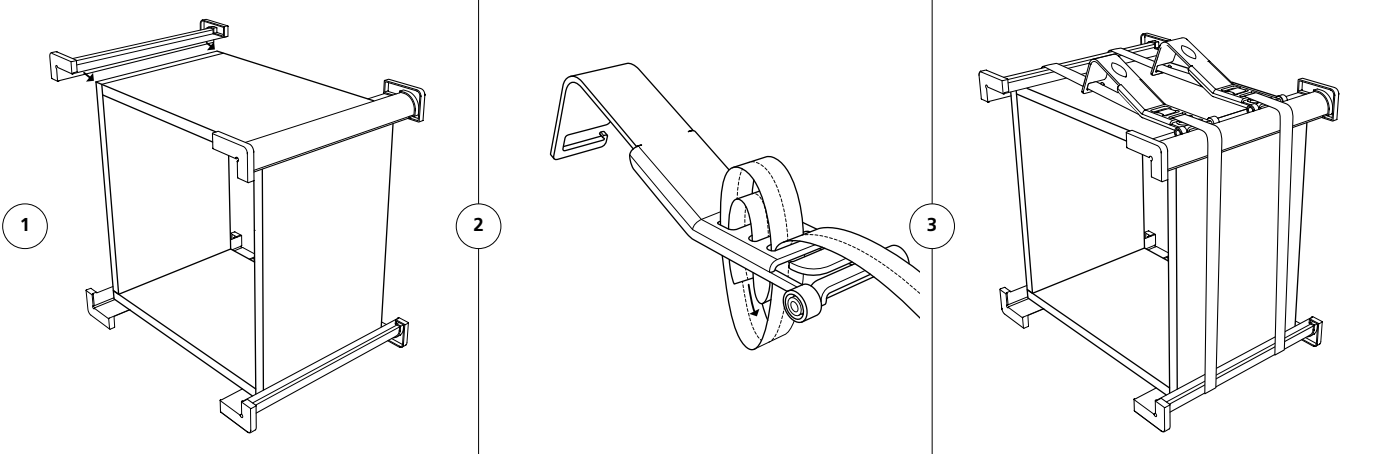
www.lamello



Experience the clamping set live and receive comprehensive product information!



Function



Technical data

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

High performance without cable

LiHD battery pack

Ludwig Bauer, Teamleader Product Management

«With the lightweight, powerful 18 V LiHD 4.0 Ah battery pack, the Zeta P2 cordless is ideally equipped to cut longitudinal grooves for the Divario P-18 – even in solid wood.»



Powerful!
Battery alliance with
over 30 brands

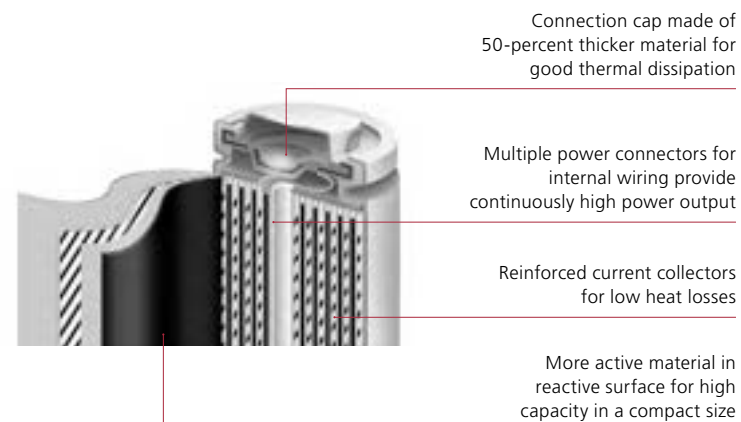
www.cordless-alliance-system.com



LiHD: The world's most powerful battery system in the industry

A unique interplay of:

- Intelligent battery management for long-lasting high capacity
- Patented AIR-COOLED system for short charging times with hot batteries
- High-quality cell structure with 50-percent reduced internal resistance ensures full power even with a small battery pack



Powerful 18 V LiHD battery pack either as 4.0 Ah or 5.5 Ah

18 V LiHD 4.0 Ah

- Included as standard battery in the set
- Compact, lightweight and powerful
- Suitable for all applications



18 V LiHD 5.5 Ah

- Available as an option for even longer working periods



More flexible in the workshop

The ready-to-hand battery-powered biscuit joiner ensures greater efficiency and flexibility in the workshop.

- No tangling of the cable or the suction hose when machining large workpieces
- Cutting directly on the workpiece reduces the handling of bulky parts. There is also no need to disconnect and plug in the cable

Large workpieces



- Quick production of furniture with different angles without complicated programming on the CNC
- Create prototypes without time-consuming machine setup. Unrestricted design freedom thanks to the wide variety of joining elements

Exclusive individual pieces



- The cordless power tool can be used to easily adapt or add grooves in no time
- Corner connections are quickly and precisely cut directly at the work bench

Adapting furniture



Mobile working on the construction site

The cordless biscuit joiner makes work on the construction site much easier – there is no need to search for sockets and roll out the cable reel.

Fitted panels



- Easily and flexibly cut grooves in fitted panels on site, even if the furniture has been completely machined on the CNC
- Additional grooves on the longitudinal joint for fillers or pillar cladding are created extremely efficiently after fitting

Roof window casing



- For renovation work, the grooves are only cut directly on site after fitting
- Cable-free work facilitates handling overhead and in hard-to-reach niches

Terrace floors



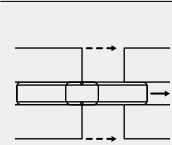
- Join components outdoors without access to a power connection
- No walkways between the processing site and the installation site, and no additional handling of the cable reel



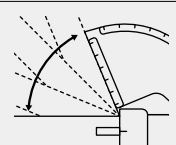
Classic X cordless

The original biscuit joiner – precise and cordless

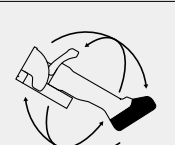
Features



Highest precision




Versatile attachment option



Cordless freedom

Classic X cordless is the original, battery-powered biscuit joiner from the inventor of the Lamello system for cutting the 4 mm groove. The proven and well-designed Classic X cordless is fast and versatile in its use and the basis for the wide range of connectors with fixed, self-clamping and detachable solutions. Precision in every component leads to perfect accuracy of the workpieces, and the cordless freedom means even more flexible application. The multifunctional stop square allows perfect mitres by applying on the exterior surface and stabilises the machine in vertical position.

Articles



Classic X cordless biscuit joiner Art. No.

In systainer, incl. 2 batteries and charger, plug type C Euro **101701DES**

In systainer, without batteries, without charger **101700DES**

In carton, without batteries, without charger **101700DEK**

In systainer, incl. 2 batteries and charger, plug type G **101701GBS**

In systainer, without batteries, without charger **101700GBS**

In carton, without batteries, without charger **101700GBK**

For other plug versions please contact your local Lamello specialist

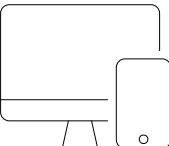


Kit contains


Classic X cordless biscuit joiner, 2 × battery pack 18 V, LiHD 4.0 Ah*, battery charger ASC 55*, suction stub 36 mm, stop square, spacer 4 mm, dust bag, tool set







** Only included in art. No. 101701DES/101701GBS*

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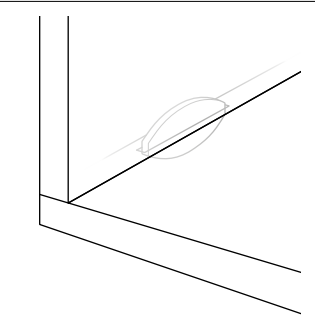
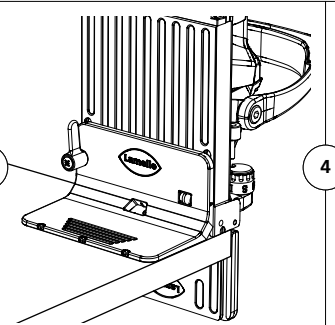
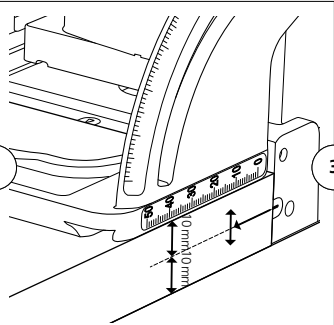
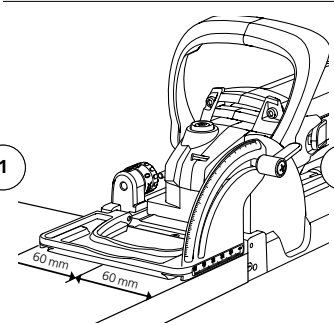


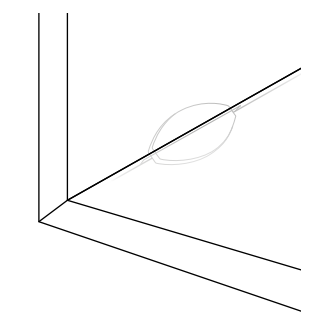
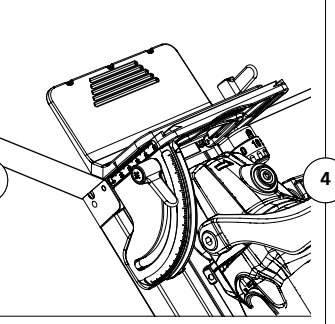
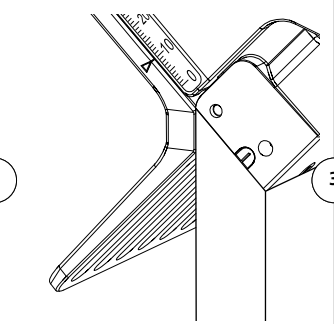
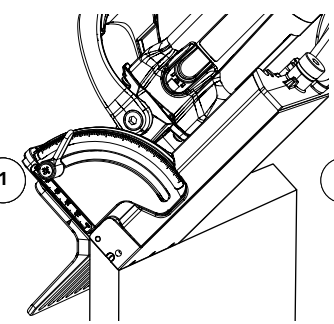
Experience Classic X cordless live and receive comprehensive product information!

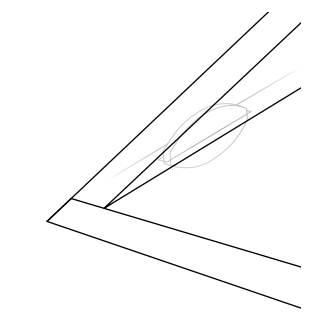
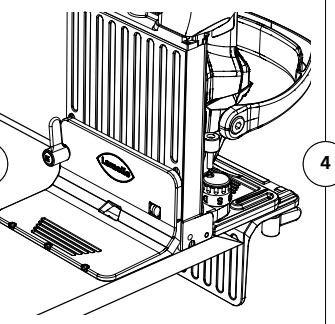
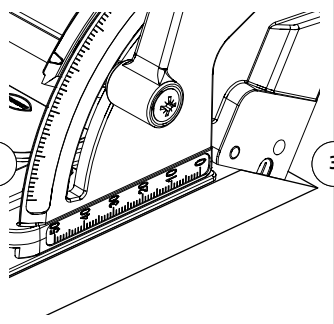
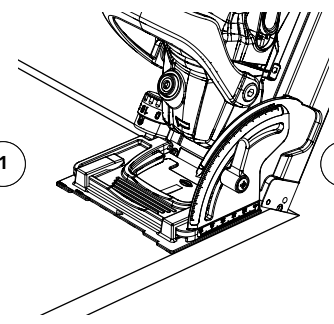




Function







Technical data

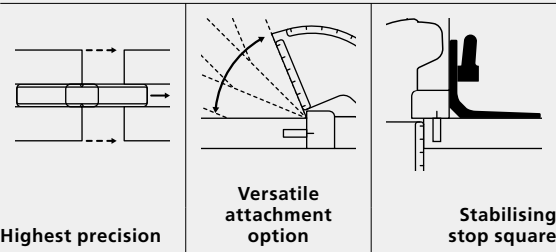
Battery voltage	18 V	Groove width	4 mm
Speed	7 300 min ⁻¹	Groove depth max.	20 mm
Cutter	Ø 100 × 4 × 22 mm	Weight	3.1 kg incl. battery

Classic X

The original biscuit joiner for every workshop



Features




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

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

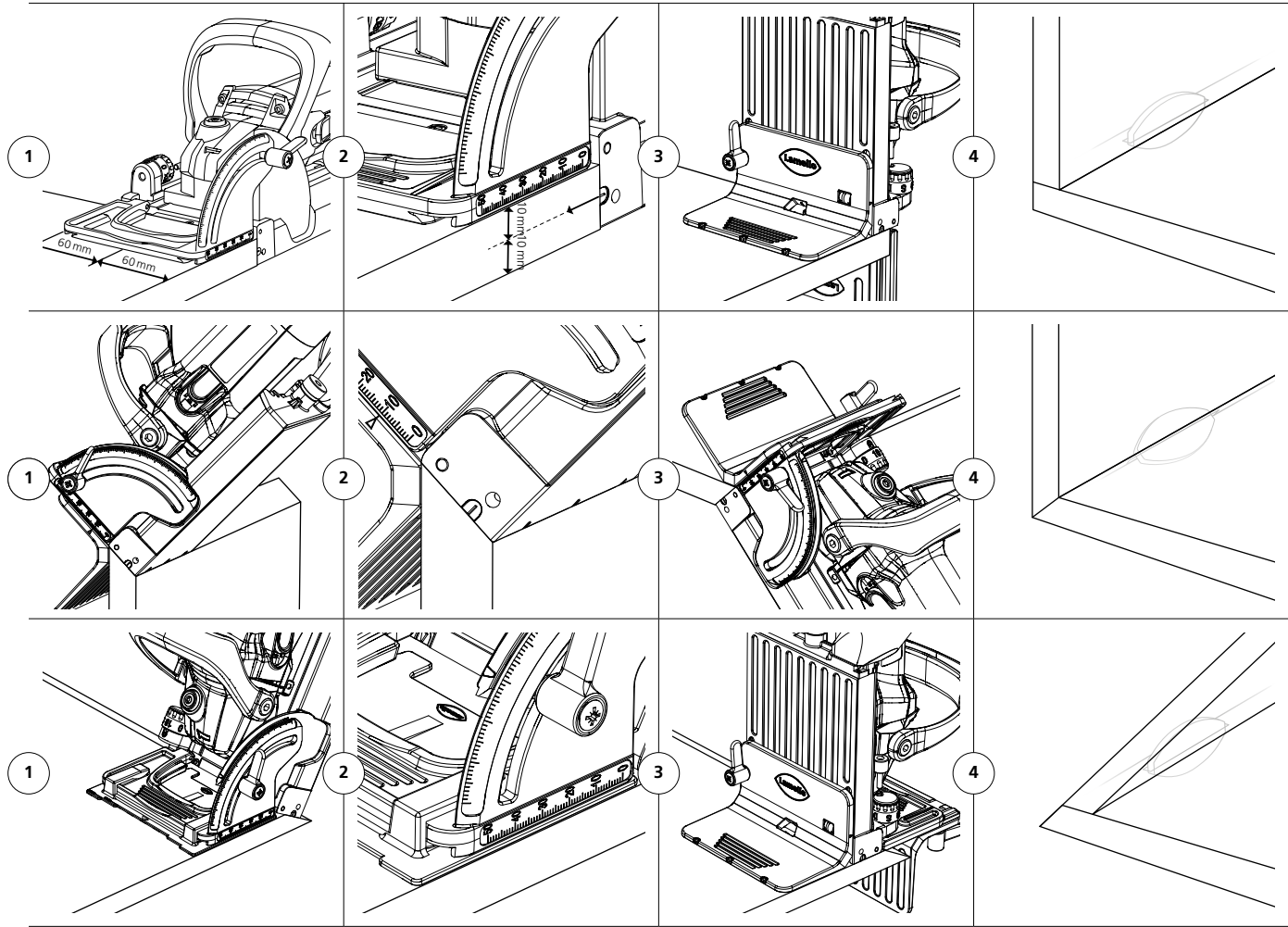
Precision in every component leads to perfect accuracy of the workpieces and saves time. The multifunctional stop square allows perfect mitres by applying on the exterior surface and stabilises the machine in vertical position.

Articles

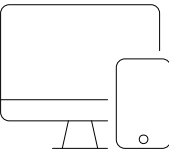
	Art. No.
In systainer ³ M, plug type F Schuko	101602DES
In carton, plug type F Schuko	101602DEK
In systainer ³ M, plug type G	101602GBS
In carton, plug type G	101602GBK
In systainer ³ M, plug type C	101602CHS
In carton, plug type C Euro	101602CHK
<i>For other plug versions please contact your local Lamello specialist</i>	


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


Function









www.lamello



Experience Classic X live and receive comprehensive product information!





Technical data

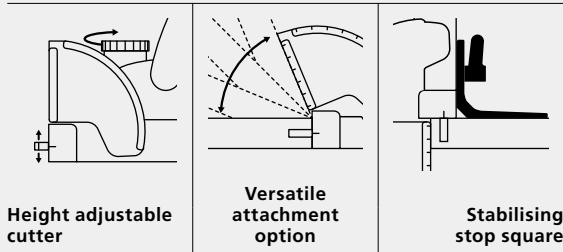
Power/Voltage	850 W/230 V or 120 V	Teeth	Z6 (3+3) with reversing teeth
Speed	10 000 min ⁻¹	Cutting depth max	20 mm
Cutter	Ø 100 × 4 × Ø 22 mm	Weight	2.9 kg

Top 21

The original biscuit joiner with height adjustable blade from the inventor



Features



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

Precision in every component leads to perfect accuracy of the workpieces and saves time. The multifunctional stop square allows perfect mitres by applying on the exterior surface and stabilises the machine in vertical position.

Articles

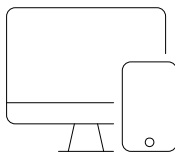
	Art. No.
In systainer ³ M, plug type F Schuko	101501DES
In systainer ³ M, plug type G	101501GBS
In systainer ³ M, plug type C Euro	101501CHS
<hr/>	
	Art. No.
In systainer ³ M, plug type F Schuko	101501DESW
<i>For other plug versions please contact your local Lamello specialist</i>	



Kit contains

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

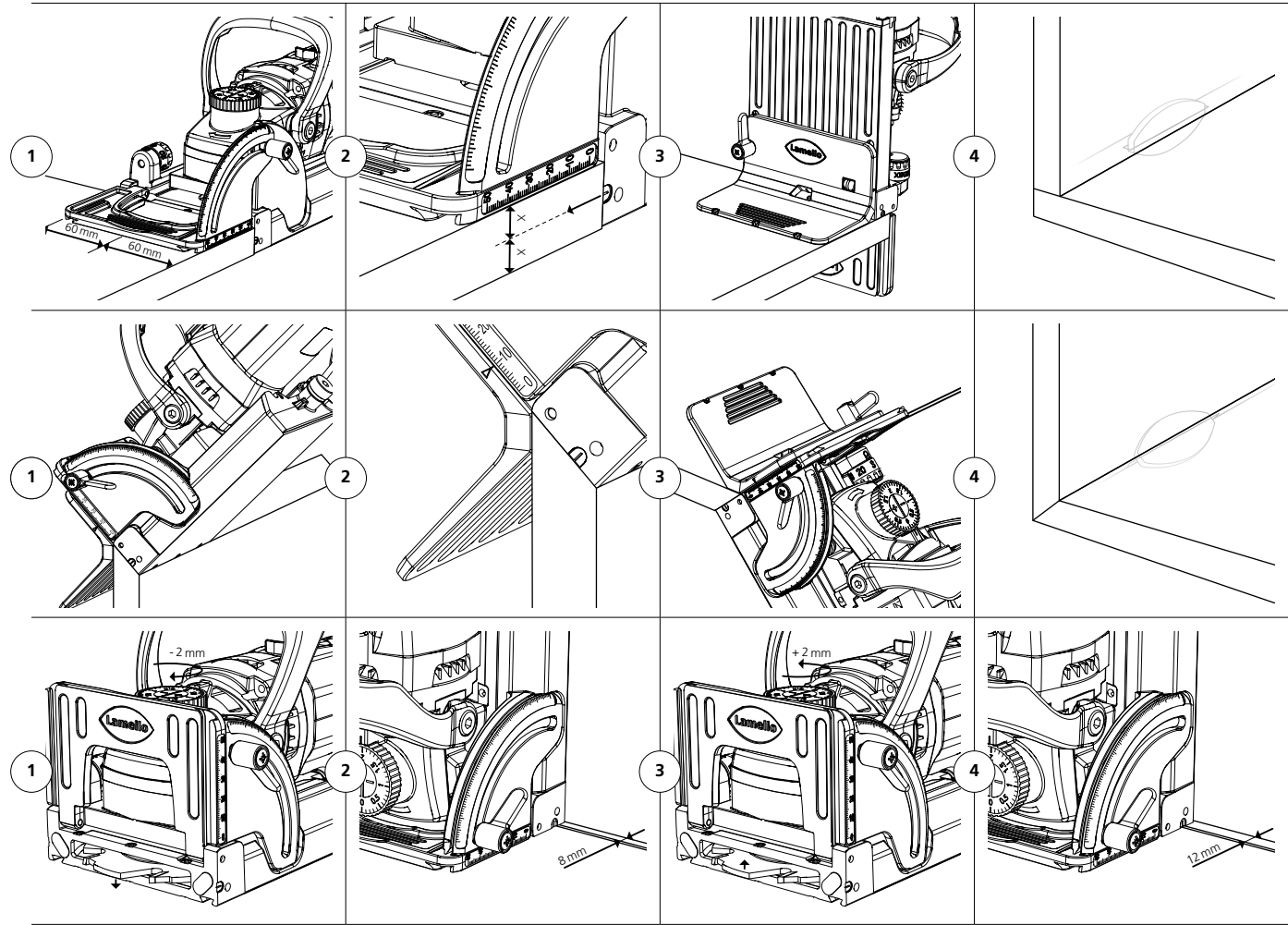
www.lamello



Experience Top 21 live and receive comprehensive product information!



Function



Technical data

Power/Voltage	1 050 W/230 V 800 W/120 V	Teeth	Z2 + V4 with scoring teeth
Speed	9 000 min ⁻¹	Cutting depth max	20 mm
Cutter	Ø 100 × 4 × Ø 22 mm	Weight	3.5 kg

Accessories

Classic X cordless, Classic X and Top 21

Accessories



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



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



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



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



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



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



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



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



Dust bag	Art. No.
For Zeta P2/Top 21/Classic X	257532



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



Deflector stub	Art. No.
For biscuit joiner	331005

Batteries



	Art. No.
Battery pack 18 V, LiHD 4.0 Ah	313013



	Art. No.
Battery pack 18 V, LiHD 5.5 Ah	313015



	Art. No.
Battery charger ASC 55	123100

Original Lamello biscuit joiners

These properties make the difference

Features

Multifunctional stop square included in the kit

Both sides flush surfaces

The baseplate, swivelling front and stop square are flush on both sides of the machine for efficient positioning of the biscuit joiner on the work piece's outer edge



Vertical stability by attaching to the baseplate to increase the surface



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



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

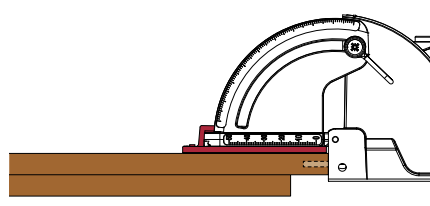
Swivelling front with fixed rotational point

Exactly the same referencing distances from either the swivelling front or the base plate = 8 mm

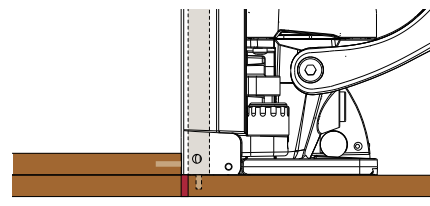
Allows alternating the application surface from the swivelling front **1.** to the baseplate **2.** Especially important when cutting thin dividing panel connections



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



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



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

High-precision machined application surfaces



- **CNC machined high-precision application surfaces** for exact application on the workpiece



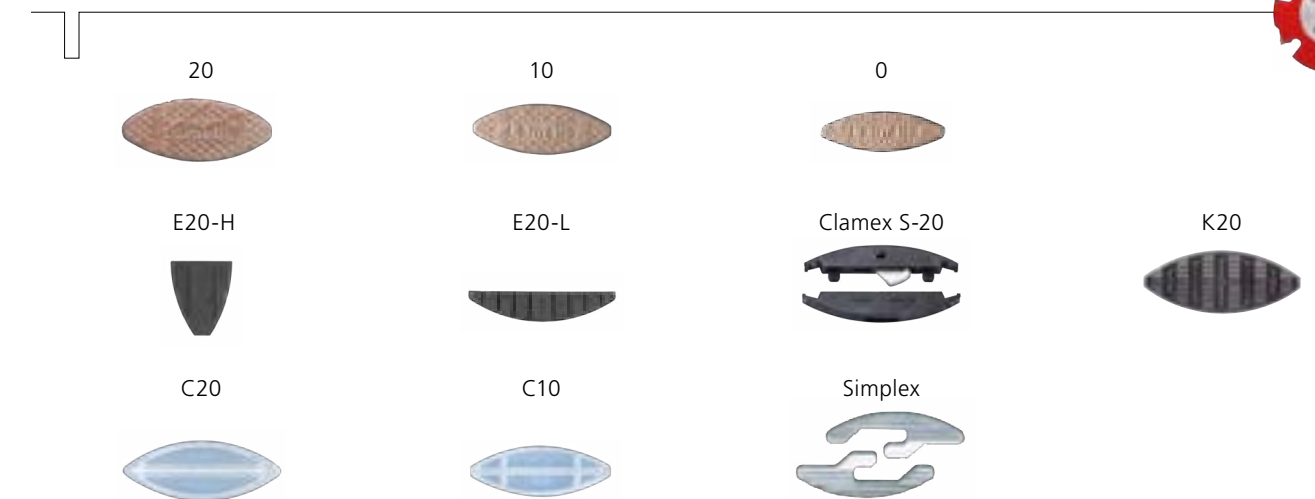
- **Long-life precision guide** provides exact, parallel grooves for perfect fit of the workpieces

Versatile use ...

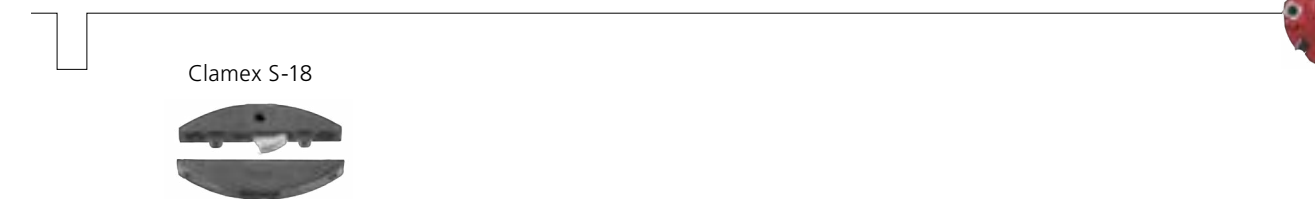
... with various connecting elements.

Join workpieces at different angles and in different joining methods with the Classic X and Top 21. Suitable for individual pieces of furniture as well as prototypes and line production.

With 4 mm Lamello System groove cutter



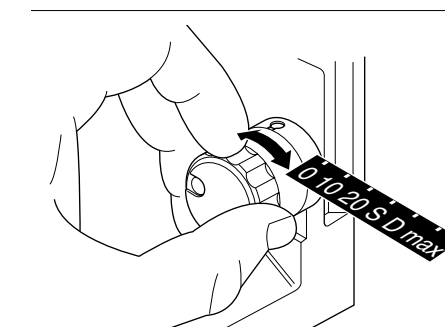
With 8 mm Lamello System groove cutter



With 3 mm Lamello System groove cutter



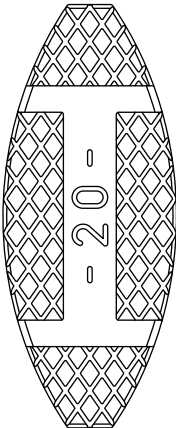
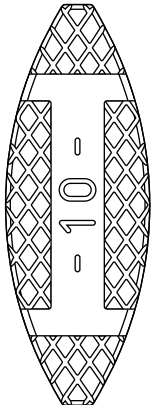
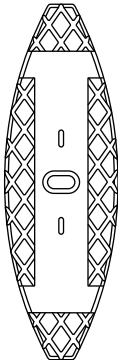
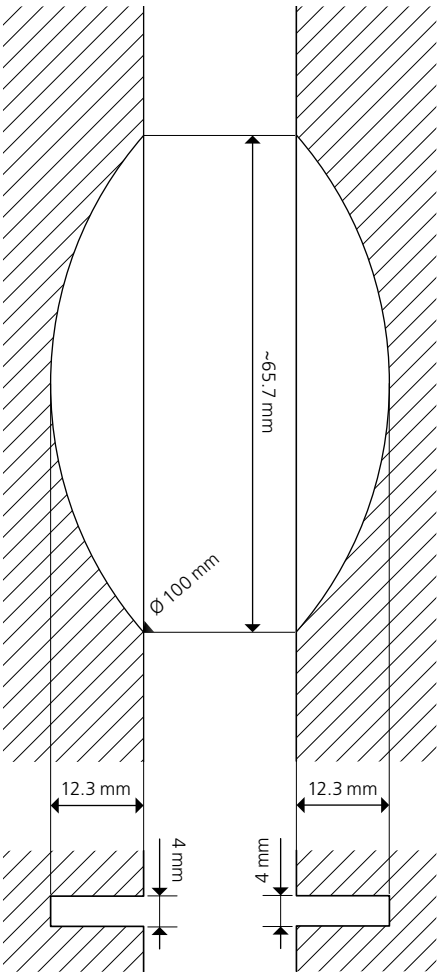
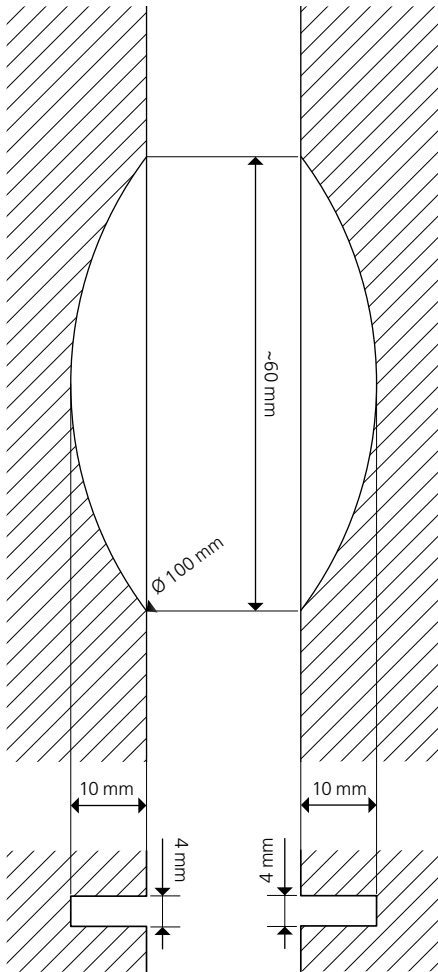
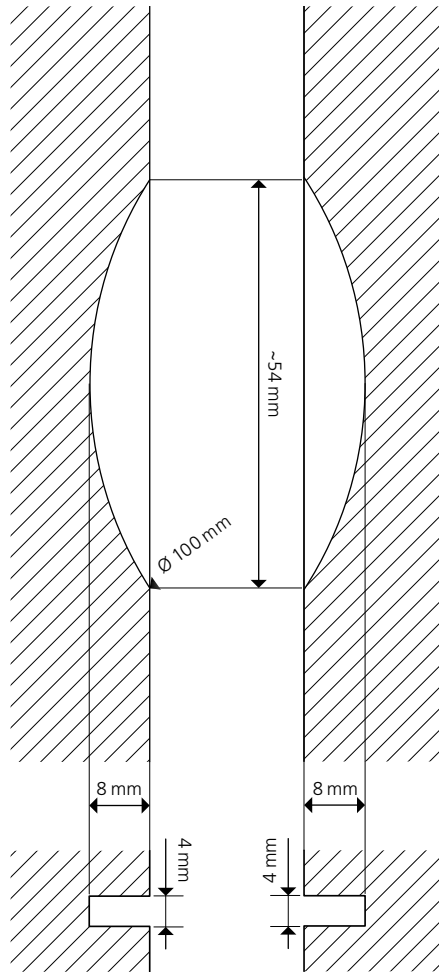
Lamello depth adjustment system


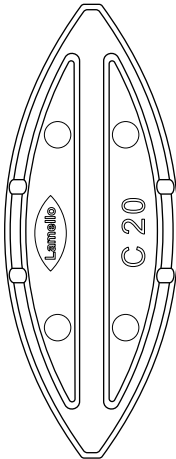
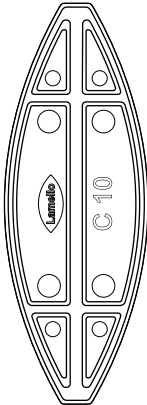
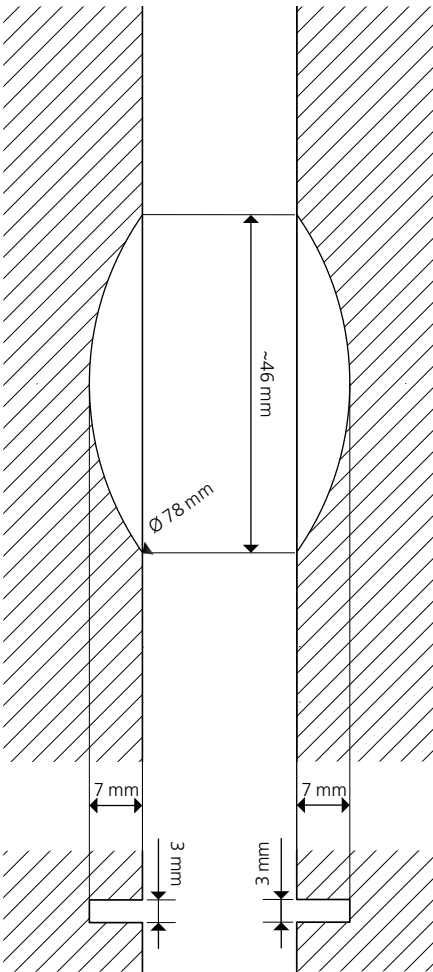
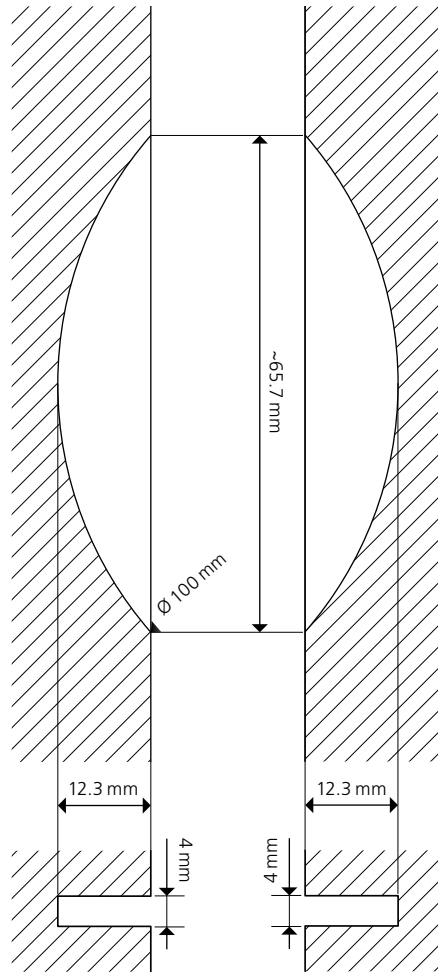
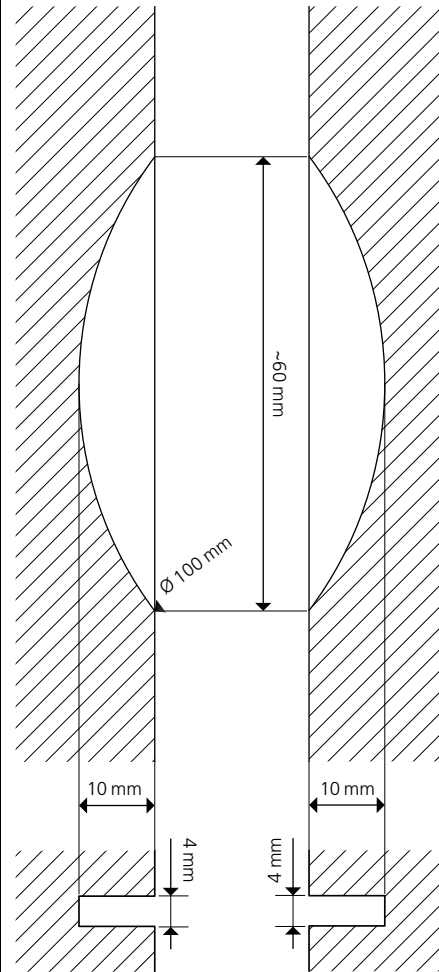


0	Depth 0 no. 0
10	Depth 10 no. 10, C10
20	Depth 20 no. 20, E20-L, K20, C20, Clamex S-20
S	Depth S E20-H, Simplex
D	Depth D Clamex S-18, E20-L
max	Depth max H9 (incl. spacer), E20-L

Technical information

Overview of connectors + grooves (scale 1:1)

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

Original wood biscuit H9	C20	C10
		
		
Tensile strength (N)	Tensile strength (N)	
Depending on the adhesive	Depending on the adhesive	Depending on the adhesive

Technical information

Overview of connectors + grooves (scale 1:1)

Clamex S-20		Clamex S-18		Simplex		K20		E20-H		E20-L	
Tensile strength (N)		Tensile strength (N)		Tensile strength (N)		Tensile strength (N)		Tensile strength (N)		Tensile strength (N)	
Up to		Up to		Depending on the adhesive		Depending on the adhesive		Depending on the adhesive		Depending on the adhesive	
MDF	620 ¹	MDF	600 ¹								
Particle board	490 ¹	Particle board	600 ¹								
Beech	620 ¹	Beech	900 ¹								

Accessories/ Spare Parts

Lamello System

Lamello System



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



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



Systainer3 M187	Art. No.
Systainer3 M187, empty	331579
Insert with two partitions for Systainer3 M 187	360023
Divider for insert 360023	360019
Insert Systainer3 M187 for Zeta P2/Top21/Classic X	360020



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



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



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



Groove cutter HW (carbide) with reversible blades,	Art. No.
Ø 100 × 4 × Ø 22 mm	
Z2 + V2, 4 screw holes with hub for Zeta P2/Top 21/Classic X	132001
Set of 4 pieces	132111
Countersunk screws	352408T
Allen key, 4 mm	271959L



Groove cutter HW (carbide) with reversible blades,	Art. No.
Ø 100 × 4 × Ø 22 mm	
Z4 + V4, 4 screw holes without hub, with spacer for Zeta P2/Top 21/Classic X	132130
Set of 10 pieces main teeth	132134
Set of 10 pieces scoring teeth	132135
Replcement set, 4 scoring teeth + 4 main teeth	132133
Screws	352130
Torx key	352133



Groove cutter HW (carbide) with reversible blades,	Art. No.
Ø 100 × 8 × Ø 22 mm (Clamex S-18 connector)	
Z4 + V4, 4 screw holes for Top 20/Top 21/Classic X	132108
Set of 10 pieces scoring teeth	132137
Set of 10 pieces main teeth	132136
Replcement set, 4 scoring teeth + 4 main teeth	132114



Dust bag	Art. No.
For Zeta P2/Top 21/Classic X	257532

Batteries



	Art. No.
Battery pack 18 V, LiHD 4.0 Ah	313013



	Art. No.
Battery pack 18 V, LiHD 5.5 Ah	313015



	Art. No.
Battery charger ASC 55	123100

Accessories/ Spare Parts

Lamello System

Lamello System



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



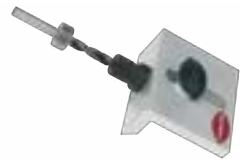
Carbide tipped saw blades HW (carbide) for expansion gaps, Ø 100 × 2.4 × Ø 22 mm	Art. No.
Z20, 4 screw holes, 2 spacers for Zeta P2/Top 21/Classic X	132350



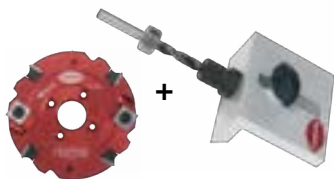
Accessories for saw blades	Art. No.
Spacer, Ø 40 × 1 × Ø 22 mm with screw holes for Zeta P2/Top 21/Classic X	322510



	Art. No.
Flange M8 to saw blades	252502



Clamex S drill jig	Art. No.
Clamex S drill jig 30°–150°, with 6 mm drill complete	125240



Clamex S-18 set	Art. No.
Drill jig for 30°–150° incl. drill and carbide tipped groove cutter with drill jig and cutter includes 1 set 125240 and 1 piece 132108	125250



Clamex S-20 drill jig	Art. No.
Incl. drill Ø 6 mm	125253



	Art. No.
Clamex S-20 drill and alignment jig	125254



	Art. No.
Torx bit 1/4" TX 10 L = 25 mm	121281



Clamex wood drill	Art. No.
Ø 6 mm	131506

Clamping set parts



Clamps	Art. No.
5 m clamping strap	175005
8 m clamping strap	175008
10 m clamping strap	175010



Buckle for clamps	Art. No.
1 piece, without strap	175060



Polyester strap for clamps	Art. No.
1 roll of 50 m	175050



	Art. No.
Per meter m ¹	335000




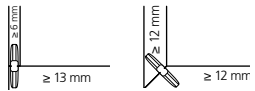
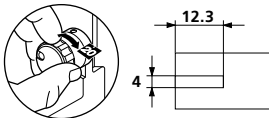

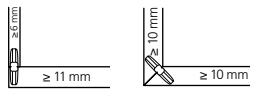
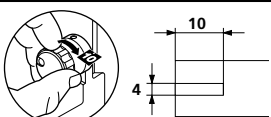

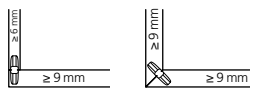
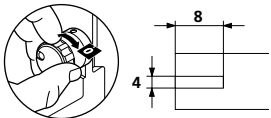

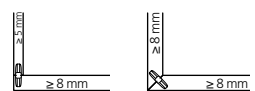
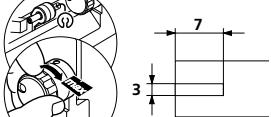


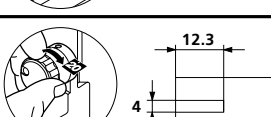


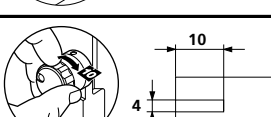
Tension hooks	Art. No.
2 pieces	175200


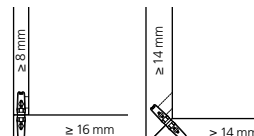
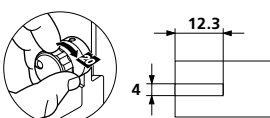

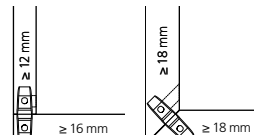
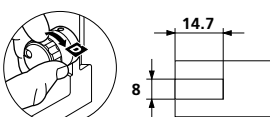

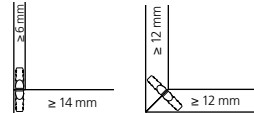
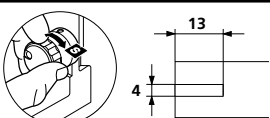

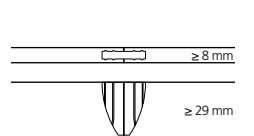
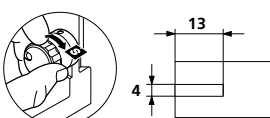


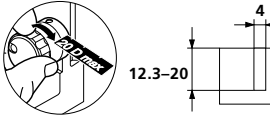

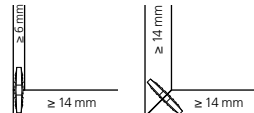
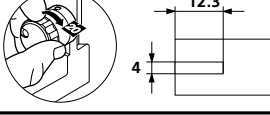


Profile sections	Art. No.
4 pieces, length 12 cm	175401
4 pieces, length 40 cm	175402
4 pieces, length 60 cm	175403

Overview of connectors

Lamello System

Glueing	Original wooden biscuit 20 	Pieces	Art. No.		
		1000	144020		
	Original wooden biscuit 10 	1000	144010		
	Original wooden biscuit 0 	1000	144000		
Detachable	Original wooden biscuit H9 	1000	144009		
	C20 	250	145010		
	C10 	300	145012		

Detachable	Clamex S-20 	Pairs	Art. No.		
		20	145243		
		80	145244		
		300	145245		
		1000	145246		
Detachable	Clamex S-18 	Pairs	Art. No.		
		18	145231		
		80	145236		
		300	145241		
		1000	145251		
Detachable	Simplex 	50	166101		
		100	166100		
Inserted	E20-H 	Pieces	Art. No.		
		80	145021		
		400	145026		
		1200	145028		
Inserted	E20-L 	80	145022		
		400	145025		
		1200	145027		
Inserted	K20 	80	145001		
		250	145000		

Disclaimer regarding load limits

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

The image is a composite showing various Lamello joining components. At the top, a black plastic bracket with a white adjustment screw is shown. Below it, a long, thin strip of light-colored wood is visible. To the right, a black plastic bracket with a series of vertical slots is shown. At the bottom, a black plastic bracket is shown attached to a light-colored wood strip. The background is a solid red color.

Lamello

Manufacturer:
Lamello AG
Joining technology
Hauptstrasse 149
CH-4416 Bubendorf
Tel. +41 61 935 36 36
Fax +41 61 935 36 06
info@lamello.com
www.lamello.com