

Connecting Systems

for modern furniture and architectural millwork

Connecting Your Ideas...



KNAPP®
connectors.com



Friedrich Knapp
CEO




Welcome to the World of KNAPP®!

As a manufacturer of patented connecting systems, we develop and produce high-quality products that are distributed worldwide. Our connecting systems convince and inspire you with a wide range of applications. Our comprehensive service helps

you find the best, most efficient and innovative solution for the realization of your projects. On the following pages, you will find our connection systems for modern furniture and architectural millwork as well as light timber construction.

Our Customer Service and Newsletter

The KNAPP®-Team provides competent advice and excellent service for your projects.

- In Germany and Austria we offer full-coverage service by representatives on-site. You will find the right contact person easily and quickly.  www.knapp-connectors.com/en
- We offer full coverage customer service and technical support, Monday – Thursday 8 a.m. to 4.30 p.m. and Friday 8 a.m. to 12 p.m. Central European Time. Find your nearest representative today.
- Subscribe to our newsletter. This way you will always be up to date on new products, promotions and important technical innovations.
- You can reach our office at +43 (0)7474 / 799 10 or E-Mail: info@knapp-connectors.com.
You can also find your a contact person by going to  www.knapp-connectors.com/en/contacts
- For instruction manuals, .DXF drawings for KNAPP products as well as your personal consultant in your area, please visit:
 www.knapp-connectors.com/en/downloads

KNAPP® Online-Store | Order around the clock

Our online store gives you the flexibility to order at any time. After a quick registration, you can immediately place your order. Finding the most fitting connecting system for your application is just a mouse click away!

 www.knapp-connectors.com/en/online-store



24/7

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■ Inform yourself



■ Register



■ Select



■ Order

KNAPP® offers unique connecting systems for different industries, such as:

- Timber Frame Construction ■ Mass Timber Construction ■ Wood Curtain Walls ■ Off-site, Prefab, Modular Construction
- Door and Window manufacturing ■ Furniture and Architectural Millwork ■ Structural Glazing for Timber and Metal facades

 **More information:** www.knapp-connectors.com/en/downloads



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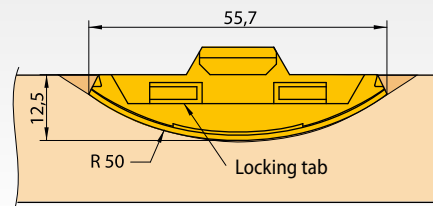
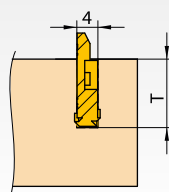


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SUNNY

Slide-in biscuit connectors, plastic

Art.-No. K053



Applications: Case goods, furniture, architectural millwork, shop fitting, clamping aid for miter joints and corners.

Benefits: Concealed, self-tightening biscuit connector with integrated locking tabs.

Suitable materials: All softwoods and board materials without laminate surfaces.

Installation: Cut slot with biscuit joiner (#20) according to groove depth T. Knock-in both connector halves opposite of one another, following the radius of the biscuit cut using hammer and insertion tool.

Accessories: Insert tool | Art.-No. K049/E
see page 15



Cut #20 biscuit slot



Insert



Knock-in with the
insert tool



Assemble

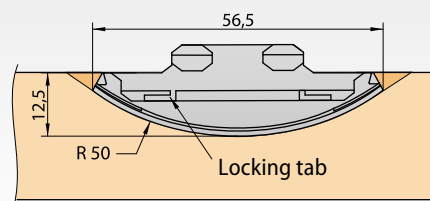
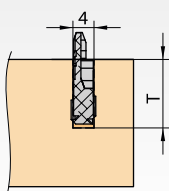


PRODUCT

SILVER

Slide-in biscuit connector, alloy-diecast

Art.-No. K049



Applications: Case goods, furniture, architectural millwork, shop fitting, clamping aid for miter joints and corners.

Benefits: Concealed, self-tightening, demountable connector with optional integrated locking tabs.

Suitable materials: All softwood board materials.

Installation: Cut slot with biscuit joiner (#20) according to groove depth T. Knock into the biscuit slot with a hammer following the radius of the cut.

Accessories: Insert tool | Art.-No. K049/E
see page 15



Cut #20 biscuit slot



Engage locking tabs
(optional)



Insert, knock in



Knock in with the
insert tool



Assemble

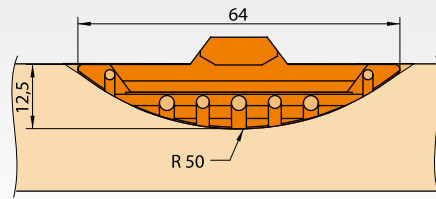
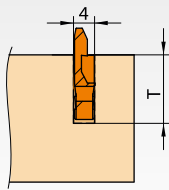


PRODUCT

CHAMP

Slide-in biscuit connector, glass fiber reinforced plastic

Art.-No. K023



Tip: Moisten surface before gluing if wood is very dry.

Applications: Case goods, furniture, architectural millwork, shop fitting, clamping aid for miter joints and corners.

Benefits: Concealed, self-tightening, demountable.

Suitable materials: All wood and board materials.

Installation: Cut slot with biscuit joiner (#20) according to groove depth T. Apply KNAPP®-ADHESIVE PU+ into slot and insert connector halves.

Accessories: see page 35
KNAPP®-ADHESIVE PU+ | Art.-No. Z011



Cut #20 biscuit slot



Glue using KNAPP®-ADHESIVE PU+



Position with template



Assemble

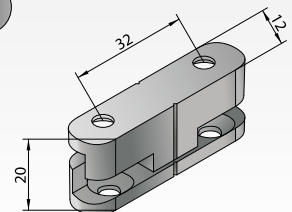
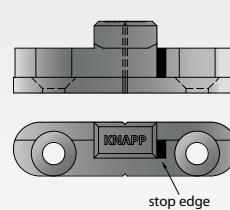
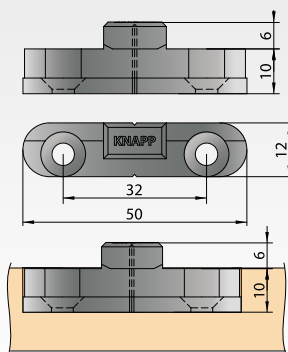


PRODUCT

CHICO

Slide connector, alloy-diecast

Art.-No. K030



Applications: Heavy furniture, case goods, panels

Benefits: Concealed, self tightening, demountable with integrated stop.

Suitable materials: All wood and board materials.

Installation: Cut mortise with plunge router or CNC machine and mount with CS-screws $\varnothing = 4,5$ mm.

Mounting: Screw in with CS-screws $\varnothing = 4,5$ mm.



Route mortise



Insert



Screw in



Assemble

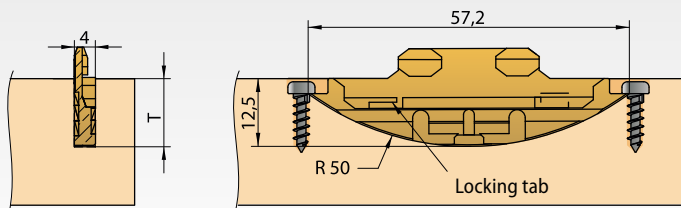


PRODUCT

METAL

Slide-in biscuit connector, alloy-diecast

Art.-No. K026



Applications:	Case goods, furniture, architectural millwork, shop fitting, door frames.
Benefits:	Concealed, self-tightening, demountable connector with optional integrated locking tabs.
Suitable materials:	All wood and board materials.
Installation:	Cut slot with biscuit joiner (#20) according to groove depth T. Insert both connector halves into the biscuit cuts and mount by means of PH-screws.
Mounting:	Screw in with PH-screws.
Accessories: see page 15	PH-screw 3x13 mm Art.-No. Z600 PH-screw 3x25 mm Art.-No. Z601



Cut #20 biscuit slot



Engage locking tabs (optional)



Screw Together



Assemble

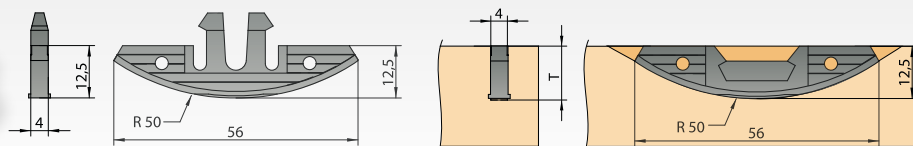


PRODUCT

FAST

Clip-in biscuit connector, plastic

Art.-No. K058



Applications:	Case goods, furniture, architectural millwork, face frames, door and window casing, clamping device for miter joints and corners.
Benefits:	Concealed, self-tightening, demountable connector, immediately load bearing.
Suitable materials:	All softwoods and board materials without laminated surfaces.
Installation:	Cut slot with biscuit joiner (#20) according to groove depth T. Knock-in both connector halves following the radius of the biscuit cut using hammer and insertion tool. Optionally, KNAPP®-ADHESIVE PU+ may be used prior to insertion for a stronger hold.
Accessories: see page 15	Insert tool Art.-No. K049/E



Cut #20 biscuit slot



Insert



Knock-in with insertion tool



Assemble

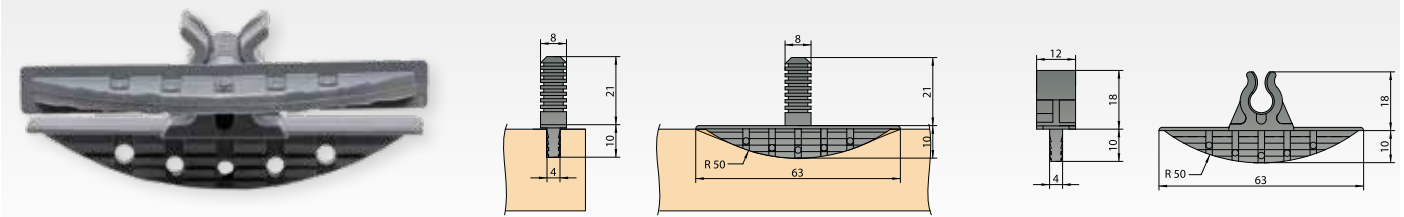


PRODUCT

CLIPS

Clip-in biscuit connector, plastic

Art.-No. K054



Tip: Moisten surface before gluing if wood is very dry.

Applications: Cabinets, case goods, removable panels, toe kicks, miter joints, shop fittings.

Benefits: Self-tightening, demountable connector, adjustable (with or without gap).

Suitable materials: All wood and board materials.

Installation: Cut slot with biscuit joiner (#10).
Apply KNAPP®-ADHESIVE PU+ into biscuit cut and insert connector halves.

Accessories: see page 35
KNAPP®-ADHESIVE PU+ | Art.-No. Z011



#10 biscuit slot



Glue



Positioning



Snap-in



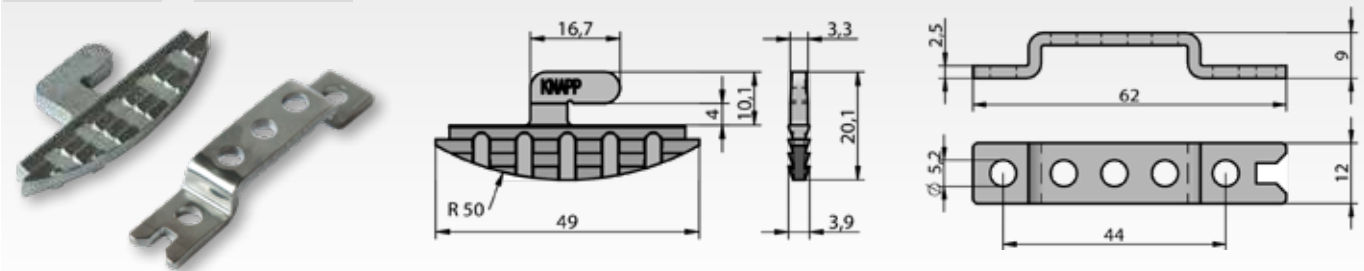
PRODUCT

KOMBI

KOMBI – biscuit connector, alu/zinc diecast

Art.-No. K614

Art.-No. K615



Applications: Architectural millwork, wall/facade paneling and cladding.

Benefits: Concealed, self-tightening biscuit connector

Suitable materials: All wood and board materials

Installation: Cut slot with biscuit joiner (#10) adjusting depth to 10 mm.
install with PH-screws Ø= 3x25 mm or glue with KNAPP-ADHESIVE PU+.

Accessories: see page 15/35
PH-screw 3x25mm | Art.-No. Z601, CS stainless steel screw A2 4,5x35 mm | Art.-No. Z409, KNAPP® Adhesive PU+ (p. 31) | Art.-No. Z011



Positioning



Mount KOMBI bracket with screws



Simply hook in the components



Can be detached if needed



PRODUCT

DUO 30, DUO 35

Panel / Hook-in Connectors made of steel

Benefits:

- Easy to mount, concealed and immediately load bearing
- Shallow drilling depth – only 3 mm
- Available in $\varnothing = 30$ and 35 mm
- Optionally mL / oL (with / without sideways tolerance)
- Installed with standard CS-screws or EURO-screws
- Latch the connection with optional locking clip

DUO 30 mL

Art.-No. K070



CS-screws 3,5x16 mm
(not included)

DUO 30 oL

Art.-No. K074



Installation example:
Door component mounting



Installation example:
Handrail mounting

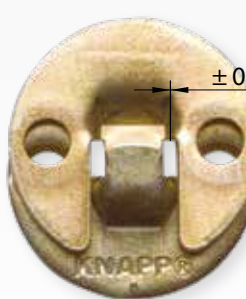
DUO 35 mL

Art.-No. K061

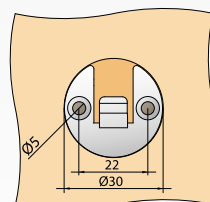


DUO 35 oL

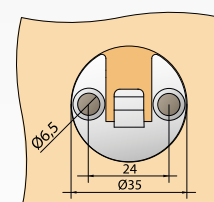
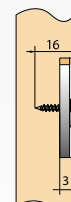
Art.-No. K062



Optimized for CNC-processing:
Euro-screws 6x10 mm



Hooking way 15 mm
Drilling depth 3 mm



Hooking way 15 mm
Drilling depth 3 mm



More information:

www.knapp-connectors.com/en/products

Applications:

Facades and windows, staircases and handrails, cabinet end panels, door and window casing.

Benefits:

Concealed, self-tightening, demountable connector which allows shrinkage and expansion moving (mL = with tolerances) or for exact placing (oL = with no tolerances).

Suitable materials:

All kinds of wood and particle boards.

Installation:

Drill 3mm deep holes using the KNAPP® Forstner Bit $\varnothing = 30/35$ mm using drilling jig or with CNC equipment. Mount DUO 30 with (suggested) CS-screws 3,5x16 mm / DUO 35 with (suggested) Euro-screws 6x10 mm. Screws length depends on application.

Accessories: see page 15

KNAPP® Forstner Bit ($\varnothing = 30/35$ mm, adjustable depth gauge) | Art.-No. Z070 / Art.-No. Z071
Center punch DUO 30/35 | Art.-No. K071 / Art.-No. K069, Handrail punch DUO 30 | Art.-No. K075
Adjustable boring template DUO 30/35 | Art.-No. K563



For instruction manuals, .DXF drawings for DUO 30, UNO 30 as well as your personal consultant in your area, please visit:

www.knapp-connectors.com/en/downloads

Installation DUO 30



Drill with jig



or according to mark


Mark counter part
with center punch


Install with screws

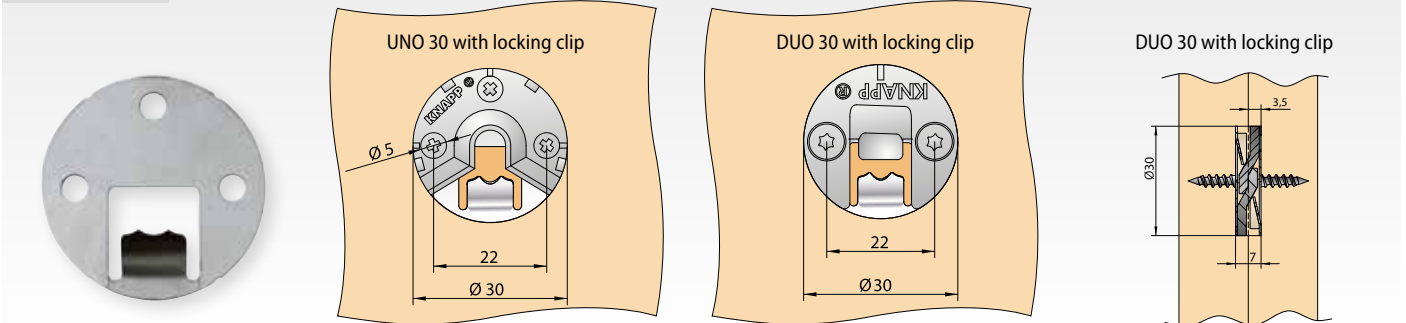


PRODUCT

Locking clip

Optional spring steel locking clip for DUO 30 and UNO 30

Art.-No. K121



Mounting: Insert beneath DUO 30 or UNO 30 bracket prior to mounting with screws.

Benefits: Locking clip holds up to 24 kg (failure load approx. 73 kg).

UNO 30

Stainless steel hook connector with optional locking clip

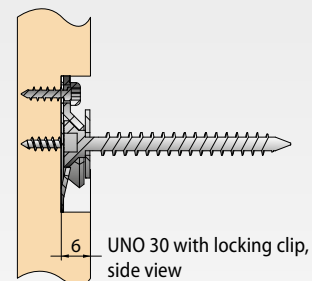
Art.-No. K120 UNO 30 Set

Art.-No. K120/B UNO 30



PH-screw A2 3x13 mm
CS-holding screw A2 5x50 mm

Additional screw lengths
available upon request.


UNO 30 with locking clip,
side view

Applications: Paneling, facades, handrails, furniture (use with or without locking clip).

Benefits: Concealed, self tightening, demountable connector for 30 mm drills.

Suitable materials: All wood materials including concrete and drywall with use of wall anchor.

Installation: Drill a 7mm deep hole using the KNAPP Forstner Bit $\varnothing = 30$ mm using center punch and drilling jig or with CNC.

Accessories: KNAPP® Forstner Bit ($\varnothing = 30$ mm, with adjustable depth stop) | Art.-No. Z070
Center punch UNO 30 | Art.-No. K073
Adjustable boring template UNO 30 | Art.-No. K563, Locking clip | Art.-No. K121



Drilling with jig



or according to mark



Mount with screws


Transfer mark with
center punch


Attach holding screw

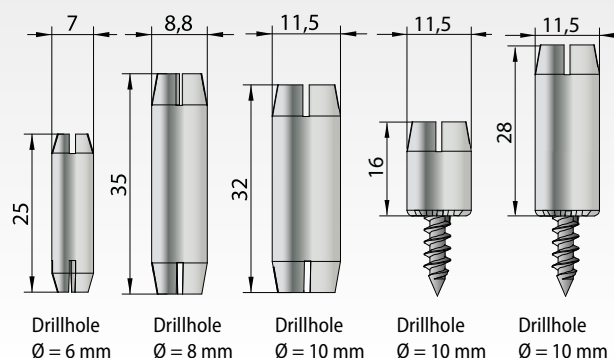


PRODUCT

TUCK

Dowel, spring steel

Art.-No. Z5052	Art.-No. Z5053	Art.-No. Z5055	Art.-No. Z5055B	Art.-No. Z5052A
6x25 mm	8x35 mm	10x32 mm	10x16 mm	10x28 mm



Applications: Cabinets, case goods, architectural millwork, shop fitting. Anywhere standard wood dowels are used.

Benefits: Concealed, self-tightening compression dowel, immediately load bearing.

Suitable materials: All kind of wood materials (solid and composite).

Installation: Dowel drilling jig, Doweling joiner, CNC drilling. Insert or screw on the TUCK.



Drill with doweling machine



or doweling joiner



Knock in



or screw



Attach holding screw



PRODUCT

MILLER DOWEL

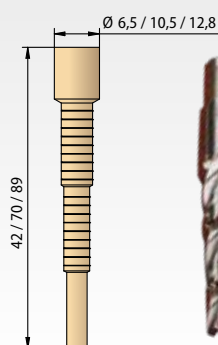
The wooden dowel for decorative joints

Art.-No. check our online-store

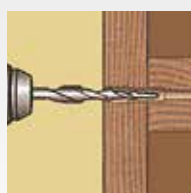
Miller Dowel Mini-X: Ø 6,5 x 42

Miller Dowel 1x: Ø 10,5 x 70

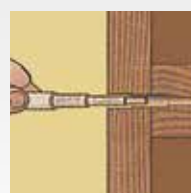
Miller Dowel 2x: Ø 12,8 x 89



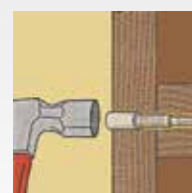
Miller Dowel TruFit Drill Bit



Drill



Apply wood glue and position



Knock in

Applications: For connecting ecologically decorative furniture.

Benefits: Easy installation, decorative design, and ECO - friendly material.

Suitable materials: Solid wood, plywood, MDF

Installation: Drill with custom stepped drill bit, apply adhesive in borehole and insert dowel.

Accessories: MILLER® TruFit Drill Bit | Art.-No. Z01D, Z02D, Z03D (check online-store).



Available on our website in: Birch, Oak, American nut and Cherry woods.



Case goods



Load bearing connections



Frame connections



PRODUCT

KNAPP®-DOWEL

Plastic dowel

Benefits:

- Effective prefabrication – doweling jig or automatic doweling machine
- Fast installation – connection can be used immediately after insertion
- Design - channel along dowel allows for smooth distribution of adhesive and prevents surface from bulging
- No shrinking or swelling will occur, thus no risk of breaking or splitting as with wooden dowels
- Weather resistant – high quality polyacetal (POM) plastic for interior and exterior use
- Strong hold – through additional bonding with KNAPP®-ADHESIVE PU+



High strength and weather-resistant plastic.

Holes and elongated channel provide firm anchoring points when used with KNAPP®-Adhesive PU+, giving a solid and permanent joint.

Threaded design allows for quick installation and unscrewing of KNAPP®-Dowel if necessary.

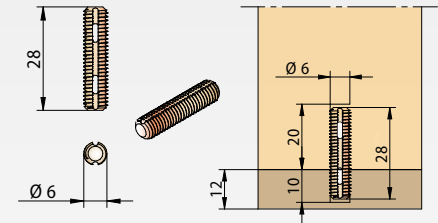
NEW

KNAPP®-DOWEL 8 mm

Art.-No. K169 8x50 mm

KNAPP®-DOWEL 6 mm

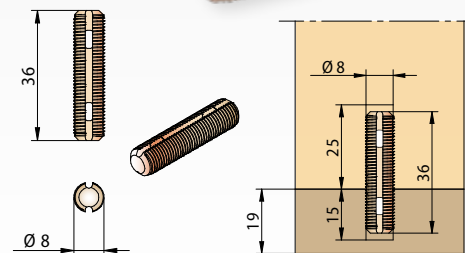
Art.-No. K066
6x28 mm



Info: Moisten the surface of very dry wood before gluing.

KNAPP®-DOWEL 8 mm

Art.-No. K067
8x36 mm



More information:

www.knapp-connectors.com/en/product/knapp-dowel

Applications:	Case goods, furniture, architectural millwork and shop fitting, windows. Wherever wood dowels can be used.
Benefits:	UV-resistant, self-tightening dowel.
Suitable materials:	All kinds of wood materials (solid and composite).
Installation:	Drill holes with doweling jig or doweling joiner. Insert by hand with hammer or automated dowel insertion machine. Optionally, insert adhesive before inserting dowel.
Accessories: see page 35	KNAPP®-ADHESIVE PU+ Art.-No. Z011



PRODUCT

KNAPP®-DOWEL

Installation



Drill with doweling machine



or doweling joiner



Glue with KNAPP®-Adhesive PU+



Knock in



Assemble



For instruction manuals, .DXF drawings for KNAPP®-DOWEL as well as your personal consultant in your area, please visit:

www.knapp-connectors.com/en/downloads

Application: Panel materials and example of processing dowel insertion tools



Serial installation of KNAPP® dowels with the dowel insertion machine GANNomat Selekt (recommended product).



Dowel hole drilling machine
GANNomat Optima



Dowel inserter GANNomat Selekt

KNAPP®-Dowels are also used for wooden windows and doors. You can find more details about this application in the Window and Door Manufacturing brochure and on our website.



VIDEO

Application: Outdoor and indoor areas: wooden windows, boat, garden furniture, laboratory equipment, door frames



Drill



Glue with KNAPP®-
Adhesive PU+



Assemble



Boat building



Outdoor furniture



Door frames

QUICK-SET

2-Part Locking Dowel

Art.-No. Z5056

5 mm bolt

Art.-No. Z5058

5 mm bolt

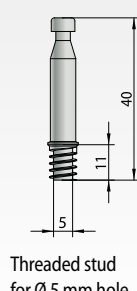
Art.-No. Z5057

8 mm bolt

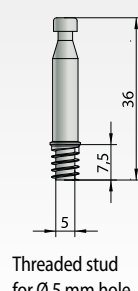
Art.-No. Z5059

8 mm bolt

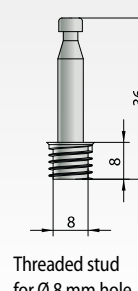
Drilling depth 31-32 mm



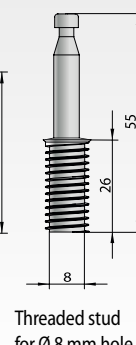
Threaded stud
for Ø 5 mm hole



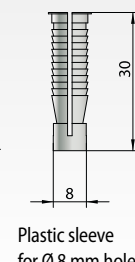
Threaded stud
for Ø 5 mm hole



Threaded stud
for Ø 8 mm hole



Threaded stud
for Ø 8 mm hole



Plastic sleeve
for Ø 8 mm hole

Applications: Furniture, architectural millwork, shop fitting. Wherever wooden dowels are used.

Benefits: Concealed, self-tightening, no glue necessary.

Suitable materials: All kinds of wood boards (solid and composite).

Installation: Drill holes with doweling jig or doweling joiner and insert by screwing in threaded stud. Insert plastic sleeve on counter part and insert threaded stud into plastic sleeve.



Drill with doweling
machine



or doweling joiner



Screw-in metal stud



Insert plastic sleeve



Assemble

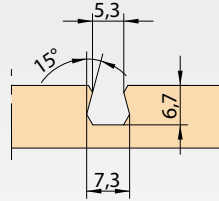
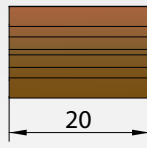
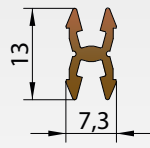


PRODUCT

KLICK

Dovetail snap-in connector, plastic

Art.-No. K045



Applications: Concealed mounting of moldings, trims and mitered corners as well as gluing aid.

Benefits: Concealed, self-tightening, demountable.

Suitable materials: For all solid wood, wood based panels and plastic materials.

Installation: Use a router table or CNC to make dovetail route and snap KLICK into route.
Can also be used in combination with KLICKpro.

Accessories: see page 15
KLICK Dovetail Router Bit with Ø = 8 mm shank | Art.-No. K046/F,
Ø = 6 mm shank | Art.-No. K045/F; Ø = 6,35 mm/ 1/4" shank | Art.-No. K048/F,
Ø = 12,7 mm/ 1/2" shank | Art.-No. K047/F.



Herport GmbH & Co. KG (DE)

Installation



Route groove



Insert



Position



Snap-in

Dovetail Router Bit
with Ø 8 mm shaft
Art.-Nr. K046/F

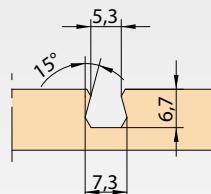
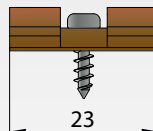
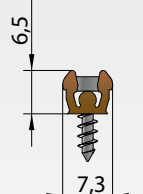


PRODUCT

sKLICK

Dovetail snap-in connector for screw mounting, plastic

Art.-No. K048



Applications: For concealed mounting of filler panels, covers and moldings.

Benefits: Self-tightening, demountable connector for any angles 0-90°.

Suitable materials: For all solid wood, wood based panels and plastic materials.

Installation: Use a router table or CNC to make dovetail route.
Attach with PH-screw 3x13 | Art.-No. Z600, and snap sKLICK into the route.
Can also be used in combination with KLICKpro.

Accessories: see page 15
KLICK Dovetail Router Bit with Ø = 8 mm shank | Art.-No. K046/F,
Ø = 6 mm shank | Art.-No. K045/F; Ø = 6,35 mm/ 1/4" shank | Art.-No. K048/F,
Ø = 12,7 mm/ 1/2" shank | Art.-No. K047/F.



Solarlux (DE)

Installation



Route groove



Install with PH-screw



Position



Snap-in

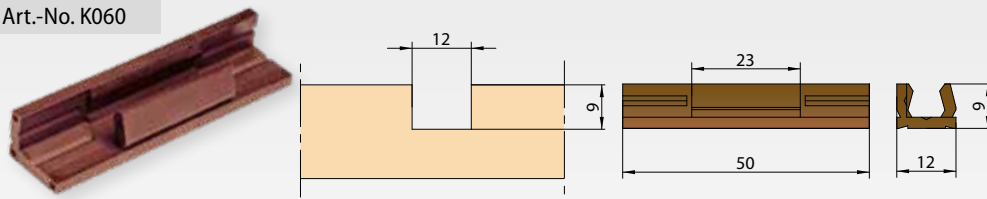


PRODUCT

KLICKpro

Dovetail receiving connector for KCLICK and sKCLICK, plastic

Art.-No. K060



- Applications:** For concealed mounting of filler panels, covers and moldings.
- Benefits:** Concealed, self-tightening dovetail housing suitable for KCLICK and sKCLICK.
- Suitable materials:** For all solid wood, wood based panels and plastic materials.
- Installation:** Cut either groove or rebate (9x12 mm by using a spindle moulder or CNC) or install KLICKpro surface mounted. For use with KCLICK or sKCLICK. Fixed KLICKpro by either screwing, nailing or gluing.



Teamplan Josef Meyer (DE)

Installation



Route groove



Mount with screws or nails



Snap together



Combination with KCLICKpro

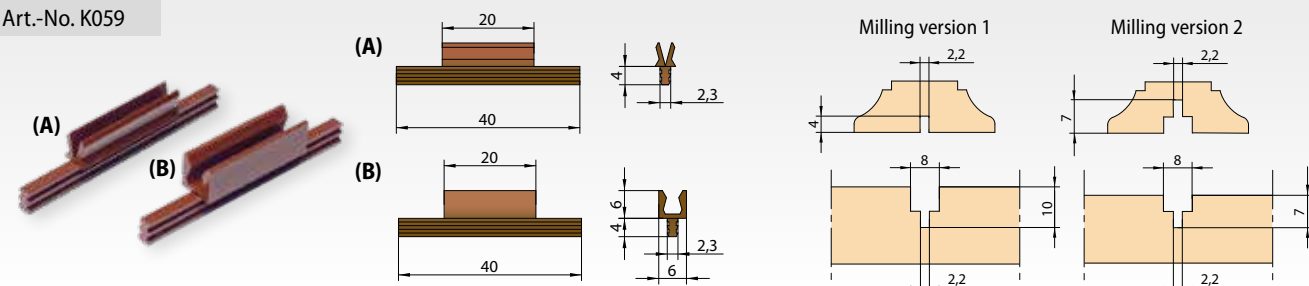


PRODUCT

miniKCLICK

2-Part Dovetail Snap-in connector, plastic

Art.-No. K059



- Applications:** For concealed mounting of small moldings and glazing beads e.g. interior doors.
- Benefits:** Concealed, self-tightening dovetail connector.
- Suitable materials:** For all solid wood, wood based panels and plastic materials.
- Installation:** Make groove with spindle moulder and cutting saw blade. Apply KNAPP-ADHESIVE PU+ glue into groove.
- Accessories:** miniKCLICK grooving saw blade 120 mm, Ø = 30 mm drillhole | Art.-No. Z065 (See page 15).
Insert tool miniKCLICK | Art.-No. K068
KNAPP®-ADHESIVE PU+ | Art.-No. Z011 (See page 35)



Installation



Route groove



Insert



Snap together



Option: Glue with KNAPP®-Adhesive PU+



PRODUCT

Application: Lift & Slide Element MACO-InfinityView

A glass fiber reinforced plastic core, which is covered on the outside with an aluminium shell and on the inside with a wooden frame.

The miniKlick ensures the optimal connection of the wooden sash frame with the glass fiber reinforced plastic core.

Accessories

Insert tool

Art.-No. K049/E To position SUNNY, SILVER, and FAST.



Center Punch DUO 30/35

Art.-No. K071 Center punch DUO 30.

Art.-No. K075 Handrail punch DUO 30.

Art.-No. K069 Center punch DUO 35 with $\varnothing = 5$ mm for pre-drilling holes for Euro-screws.

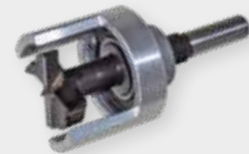


KNAPP® Forstner Bit $\varnothing = 30$ mm / 35 mm

Art.-No. Z070 KNAPP® Forstner Bit for DUO 30 and UNO 30 ($\varnothing = 30$ mm) with adjustable depth stop.

Art.-No. Z072 KNAPP® Forstner Bit for DUO 30 and UNO 30 ($\varnothing = 30$ mm) with adjustable depth stop and adjustable centering point.

Art.-No. Z071 KNAPP® Forstner Bit for DUO 35 ($\varnothing = 35$ mm) with adjustable depth stop.



Adjustable Drilling Jig

Art.-No. K563 Drilling jig suitable for KNAPP® Forstner Bit 30 and 30mm to drill holes for DUO 30, DUO 35 and UNO 30.



Center Punch UNO 30

Art.-No. K073 To transfer center mark to opposing wood component when using UNO 30.



KLICK Dovetail Router Bit and 2 Flute Straight Router Bit

Art.-No. K045/F KLICK Router Bit with $\varnothing = 6$ mm shank. (To route dovetail groove for KLICK and sKLICK)

Art.-No. K046/F KLICK Router Bit with $\varnothing = 8$ mm shank. (To route dovetail groove for KLICK and sKLICK)

Art.-No. K048/F KLICK Router Bit with $\varnothing = 6,35$ mm shank. (To route dovetail groove for KLICK and sKLICK)

Art.-No. Z066 2 Flute Straight Router Bit $\varnothing = 15$, Length = 25 mm with $\varnothing = 8$ mm shank (CONTRA 800, DUO-System)



miniKLICK Grooving Saw Blade

Art.-No. Z065 miniKLICK Grooving Saw Blade $\varnothing = 120$ mm, spindle $\varnothing = 30$ mm.
(For routing of the groove for miniKLICK connector).



PH-screws and CS-screws

Art.-No. Z600 PH-screw 3x13 mm (for METAL, UNO 30 and sKLICK).

Art.-No. Z601 PH-screw 3x25 mm (for METAL).

Art.-No. Z409 CS-stainless steel screw A2 4,5x35 mm (to install KOMBI)

Art.-No. Z631 PH-stainless steel screw 3x13 mm (to install sKLICK)



KNAPP®-Starter Boxes

Connector assortments for joiners, carpenters, window manufacturers, stair constructors and installer

We offer you a discount of 15% on all our Starter Boxes
For carpenters, joiners, window / stair manufacturers

- I Suitable for universal applications
- I Delivery in cardboard boxes
- I A wide range of connectors including accessories
- I Discount off the list prices



24/7
▶▶▶ online-store

www.knapp-connectors.com/en



KLICK Starter Box

Contents: 200 pcs. KLINK,
 400 pcs. sKLINK,
 400 pcs. PH-screws 3x13 mm (Art.No. Z600),
 100 pcs. KLINKpro
 1 pc. KLINK Dovetail Router
 bit with Ø 8 mm shank

Art.-No. K045/B

Applications: non visible fasteners for a precise and concealed mounting of small wood components such as trim and molding as well as wall paneling etc.



miniKLICK Starter Box

400 pairs miniKLICK,
 1 pc. grooving saw blade
 120 mm, with Ø 30 mm
 borehole for spindle moulder

Art.-No. K059/B

Applications: non visible fasteners for small trim and glazing beads



NEW

TUCK Starter Box – Spring Steel Compression Dowel

150 pcs. TUCK 6 mm, L25,
 150 pcs. TUCK 8 mm, L35,
 150 pcs. TUCK 10 mm, L32,
 screwed on one side:
 150 pcs. TUCK 10 mm, L16,
 150 pcs. TUCK 10 mm, L28

Art.-No. Z052/B

Applications: Cabinets, case goods, architectural millwork and shop fitting. Concealed, self-tensioning dowel, immediately load-bearing, stable and functional.



NEW

QUICK-SET Starter Box

125 pcs. QUICK SET 5x11 mm,
 125 pcs. QUICK SET 5x7,5 mm,
 125 pcs. QUICK SET 8x8 mm,
 125 pcs. QUICK SET 8x26 mm

Art.-No. Z056/B

Applications: Concealed immediately, functional without glue, 2-part cabinet connector



KOMBI Starter Box

100 pcs. KOMBI hook connector G10,
 100 pcs. KOMBI hook-in bracket stainless steel G12 / 62,
 200 pcs. PH-screws 3x25 mm,
 200 pcs. CS-screws 4,5x35 mm (stainless steel),
 1 pc. KNAPP®-Adhesive PU+

Art.-No. K616/B

Applications: Wooden panels, Interior Furniture, Furniture Design, Exhibition Design.



DUO 30 Starter Box

50 pairs DUO 30mL, 50 pairs DUO 30oL,
400 pcs. CS-screws 3,5 x16 mm,
6 pcs. center punches,
2 pcs. handrail punches,
1 pc. Forstner Bit
(Ø 30 mm, Ø 10 mm shank),
with adjustable depth gauge,
1 pc. drilling template

Art.-No. K070/B



DUO 30 Starter Box

75 pairs DUO 30 mL, 75 pairs DUO 30oL,
6 pcs. center punches, 2 pcs. handrail punches,
1 pc. Forstner Bit (Ø 30 mm, Ø 10 mm shank),
with adjustable depth gauge

Recommended screws: CS-screws 3,5x16 mm
(Art.No. Z502)

Art.-No. K074/B



DUO 35 Starter Box

50 pairs DUO 35mL, 50 pairs DUO 35oL,
400 pcs. EURO screws 6,3x10 mm,
6 pcs. center punches, 1 pc. Forstner Bit
(Ø 35 mm, Ø 10 mm shank),
with adjustable depth gauge

Art.-No. K061/B

Applications: Concealed, self-locking,
removable, suitable to a CNC-routing
machine and to EURO screws.



DUO 35 Starter Box

75 pairs DUO 35mL,
75 pairs DUO 35oL,
6 pcs. center punch DUO 35

Recommended screws: EURO-screws
6,3x10 mm (Art.No. Z510)

Art.-No. K062/B



Applications: Facades and windows,
staircases and handrails, cabinet and
panels, door and window casing

UNO 30 Starter Box Stainless Steel Hook Connector

100 pcs. UNO 30, 100 pcs. UNO 30 locking clips,
100 pcs. KNAPP® CS-screws A2 (304)
Stainless Steel 5x50 mm with washer TX25,
6 pcs. UNO 30 center punches,
55 pcs. universal plastic dowels Ø 8 mm,
1 pc. Forstner Bit (Ø 30 mm, Ø 10 mm shank)
with adjustable depth gauge,
300 pcs. PH-screws A2 stainless steel 3x13 mm,
1 pc. drilling template, 1 pc. Bit T25
alternatively available with galvanized screws

Art.-No. K123/B

Applications: Concealed fastening of
wall panels and handrails with optional
stainless steel locking clips.



T-JOINT Starter Box

50 pcs. T-JOINT 20,
25 pcs. CS-screws 6x100mm,
25 pcs. CS-screws 6x120 mm,
T-JOINT Drilling Jig,
20mm Forstner Bit with adjustable
depth stop, HSS drill 6/160 mm

Art.-No. Z606/Box

Applications: flush 30° and 45° for slanted
screwing on tensile and moment resting joints





CONTRA 800 Starter Box Connector for Case Goods

500 pcs. CONTRA 800
250 pcs. EURO-CS screws 6,3x10 mm
250 pcs. EURO-CS screws 6,3x30 mm
250 pcs. CS screws 4x16 mm
250 pcs. CS screws 4x40 mm
1 pc. 2-Flute Straight Router Bit Ø 8 mm

Art.-No. K800/B

Applications: All-purpose product for mounting crown and cover profiles, surface-mount fastener.



MODULAR Starter Box Cabinet Connector for 32 mm hole centers

125 pcs. each MODULAR 4031 clips and 4032 clips,
250 pcs. MODULAR 2055 shoulder screw flat tip 13 mm,
56 pcs. MODULAR 2069 shoulder screw M4 thread 15 mm,
56 pcs. MODULAR 2066 shoulder screw M4
bushing thread 16 mm,
1 pc. depth gauge for groove (Art.-No. Z4032C)

Art.-No. Z4031/B

Applications: Concealed junction of uprights - shelf, for wardrobe, bookcase, storage, cabinet unit



HITLINE Starter Box Biscuit Connectors

125 pcs. SUNNY, SILVER and FAST,
1 pc. nail punch for assembling

Art.-No. K053/B

Applications:
Immediately load bearing
(SILVER, FAST),
non-visible gluing aid
(SUNNY)



TREPPLO Starter Box

70 pcs. TREPPLO 40, 10 pcs. TREPPLO 70,
5 pcs. TREPPLO 100, 6 pcs. scribes,
3 pcs. KNAPP® Adhesive PM+

Art.-No. Z320/B

Applications: Attaching wooden steps to concrete stairs.



CLASSIC Starter Box Biscuit Connectors

Contains: 80 pairs each CHAMP and METAL, 50 pairs CLIPS,
1 pc. KNAPP®-Adhesive PU+,
160 pcs. each PH-screws
3x13 mm and 3x25 mm
and 2 pcs. CHAMP templates

Art.-No. K301/B

Applications: concealed and removable fasteners for corner and angle profile.



KNAPP®-Dowel Starter Box

500 pcs. KNAPP-DOWEL 8 mm,
1000 pcs. KNAPP-DOWEL 6 mm,
1 pc. KNAPP adhesive PU+

Art.-No. K066/B

Applications:
Weatherproof plastic dowel for force-fit connection of wooden materials and windows.

Processing recommendation:
Dowel Inserter GANNOMAT
Selektra



PRODUCT



NEW



CONTRA 800

Connector for case goods

Art.-No. K800/B



Screw recommendation

1 pc. EURO-screw CS 6,3x13 mm and
1 pc. EURO-screw CS 6,3x35 mm
(Depending on the requirement, different
lengths can be used)



Alternative screws

1 pc. CS-screw 4,0x16 mm and
1 pc. CS-screw 4,0x40 mm
(Depending on the requirement, different
lengths can be used)

Applications:

The new screw connector CONTRA 800 is simply screwed on and can be used indoors and outdoors. Material thickness as little as 8 mm can be used when CONTRA 800 is combined with Euro screws. An ideal connector with rebate cuts. CONTRA can be used with Euro screws as little as 6 mm long.

Benefits:

Fast and universal. Can be combined with Quick Set, KNAPP®-Dowel or Tuck.

Suitable materials:

All wood and plastic materials as well as steel and masonry.

Installation:

Only one saw cut or rout a milling or stump screwed on.

Mounting:

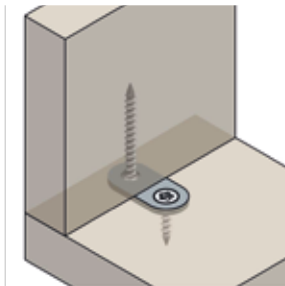
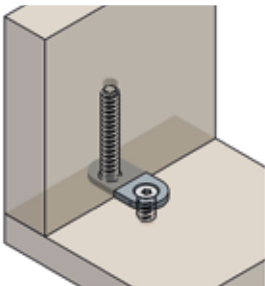
Screw with CS or EURO Screw.

Furniture components / corner joints

Recessed on
edge in 90°

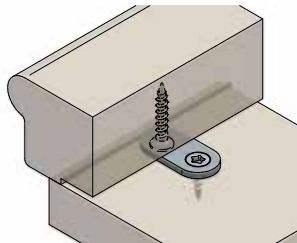
or

Recessed on
face grain in 90°

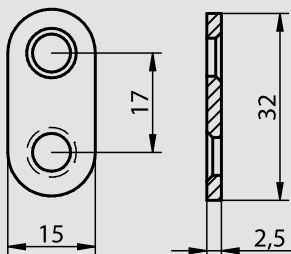
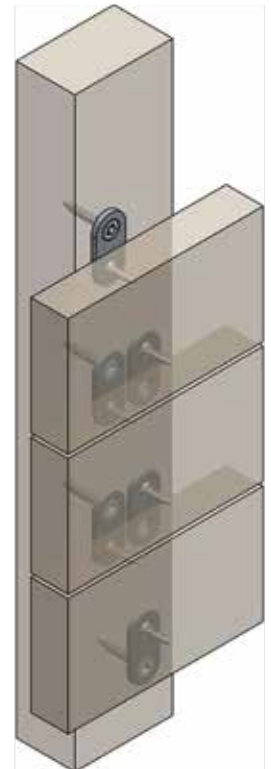


Crown molding and trim

Plinth block



Facades, siding, and decking



Dimensions and material:

Length: 32 mm

Width: 15 mm

Thickness: 2,5 mm

Material: Steel, blue galvanized surface



Flute Straight
Router
Art. No. Z066



PRODUCT

MODULAR

Clip connector, spring steel with shoulder head screw

MODULAR 4031

Art.-No. Z4031



Pass-thru clip

MODULAR 4032

Art.-No. Z4032

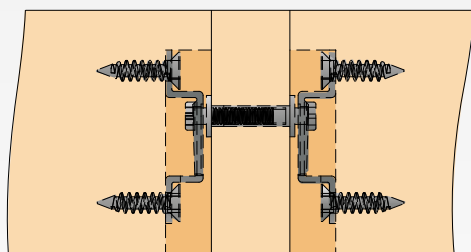


Non-locking Clip

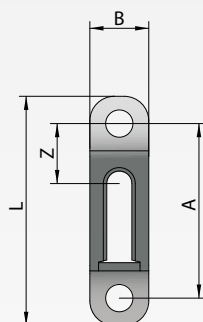


Semi-locking Clip

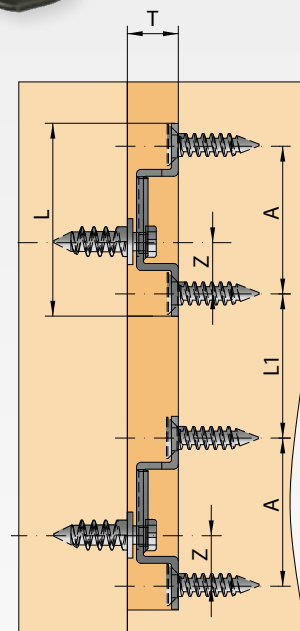
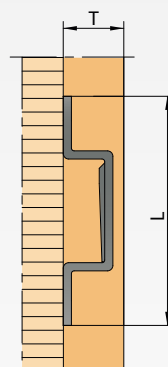
Art.-No. Z4032C

Drill and depth-jig
for connector groove

MODULAR double side connection for vertical panels



Continuous groove



MODULAR	4031, 4032, 4035
Routing depth T:	11 mm
Routing length L:	≥ 42 mm
Routing width B:	11 mm
Center distance Z:	11 mm
Panel thickness from:	16 mm
Hole-line A:	32 mm

MODULAR clip, suitable with the
32 mm systemTotally concealed
installation

Applications:	Flat pack, RTA cabinets, case goods, and furniture.
Benefits:	Concealed, self-tightening connector for 32 mm system, demountable, for timber and steel.
Suitable materials:	For all solid wood, wood based panels and plastic materials from 16 mm thickness up.
Installation:	Make groove with spindle moulder, plunge router, CNC equipment. Pre-drill with drill-jig and install clips with PH- or CS-screws $\varnothing = 4,5$ mm (length depending on application). Shoulder head screw engages with the clip when sliding them into each other.
Accessories:	Drill and depth-jig Art.-No. Z4032C



PRODUCT

MODULAR - shoulder head screw

Shoulder head screws

MODULAR 2055	MODULAR 2155	MODULAR 2055
Art.-No. Z2055	Art.-No. Z2155	Art.-No. Z5068
Thread length:	13 mm	16 mm
		32 mm

Double side connection

Shoulder head screws M4

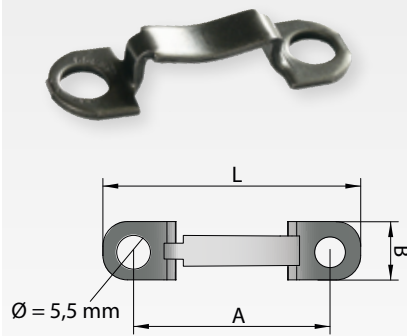
MODULAR 2069	MODULAR 2066
Art.-No. Z2069	Art.-No. Z2066
15 mm	16 mm

MODULAR

Anti-rotation spring steel clip with integrated stop

MODULAR 2075

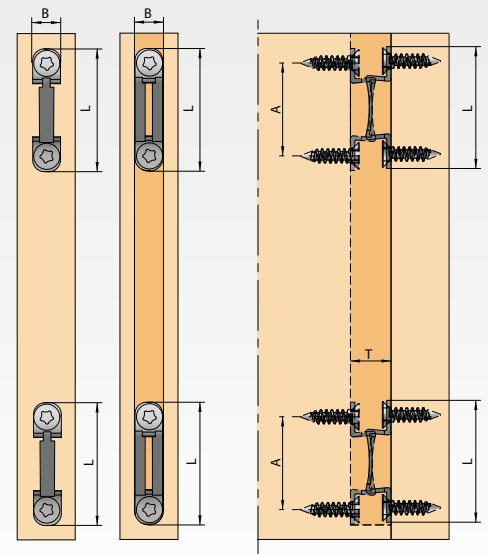
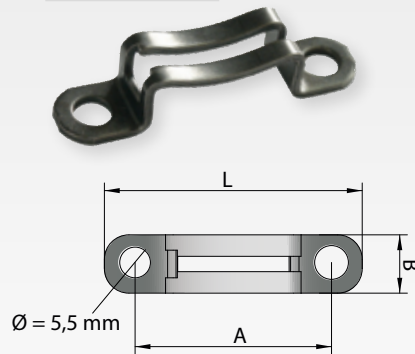
Art.-No. Z2075



For PH- or CS-screws up to $\varnothing = 4,5 \text{ mm}$

MODULAR 2076

Art.-No. Z2076



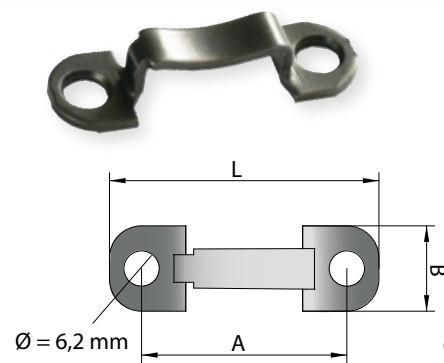
Anit-rotation Clip for case goods

MODULAR 5075
(with integrated stop)

Art.-No. Z5075

MODULAR 5071
(without integrated stop)

Art.-No. Z5071

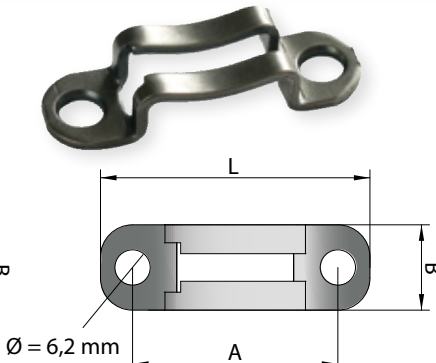


MODULAR 5076
(matching Art.-No. Z5075)

Art.-No. Z5076

MODULAR 5072
(matching Art.-No. Z5071)

Art.-No. Z5072



For PH- or CS-screws up to $\varnothing = 5 \text{ mm}$



Frame joint with MODULAR anti-rotation clip.

MODULAR	2075, 2076	5075, 5076, 5075, 5076
Routing depth T:	14 mm	12 mm
Routing width B:	10 mm	13,5 mm
Routing length L:	42 mm	42 mm
Panel thickness from:	16 mm	19 mm
Hole-line A:	32 mm	32 mm

Applications: Flat pack case goods, chairs and furniture.

Benefits: No rotation, concealed, self-tightening connector for 32 mm system, demountable.

Suitable materials: For all solid wood, wood based panels and plastic materials from 16 mm thickness up.

Installation: Make groove with spindle moulder, horizontal router table, CNC equipment.
Pre-drill with drill-jig and install clips with PH or CS-screws $\varnothing = 4,5 \text{ mm}$ (length depending on application).

Installation



Route groove



Check depth



Pre-drill



Install clip



Place PH-screw

DUO-System

Frame connectors

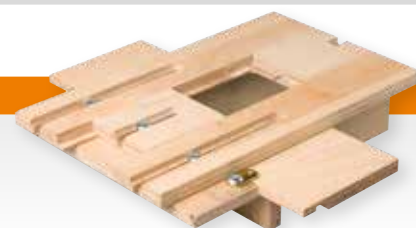


Note:	Connectors consist of two identical brackets and are manufactured from high strength galvanized steel in Austria.
Applications:	Furniture frames, stairs, exhibition booths, and architectural millwork.
Benefits:	Concealed, self-tightening, adjustable and demountable.
Suitable materials:	All solid wood and plywood materials from ≥ 21 mm.
Installation:	Make mortise with plunge router or CNC. Install with CS-screws $\varnothing = 5$ mm or $\varnothing = 6$ mm and PH-holding screws $\varnothing = 5$ mm or $\varnothing = 6$ mm. (screw length depending on application).

Accessories

Routing-jigs MULTI F (plywood)

- Routing-jig MULTI F 15, | Art.-No. K500 (for DUO 46/15, DUO 62/15, DUO 100/15)
- Routing-jig MULTI F20, | Art.-No. K506 (for DUO 90/20)
- Routing-jig MULTI F30, | Art.-No. K501 (for DUO 46/30, DUO 62/30)
- Routing-jig MULTI F46, | Art.-No. K503 (for DUO 90/46)



Note: All routing-jigs are suitable for a $\varnothing = 30$ mm guide bushing (for plunge router) and a $\varnothing = 15$ mm 2 Flute Straight Router Bit.

2 Flute Straight Router Bit

$\varnothing = 15$ mm, length = 25 mm with $\varnothing = 8$ mm shank | Art.-No. Z066/08



Mounting screws (pan head screws, full threaded)

- PH-screws 5x40 (200 pcs./package) | Art.-No. Z702 (for DUO and MODULAR Anti-Rotation)
- PH-screws 5x60 (200 pcs./package) | Art.-No. Z704 (for DUO and MODULAR Anti-Rotation)
- PH-screws 6x40 (250 pcs./package) | Art.-No. Z800 (for DUO)
- PH-screws 6x60 (200 pcs./package) | Art.-No. Z802 (for DUO)



Mounting screws (countersunk screws, full threaded)

- CS-screws 5x40 (500 pcs./package) | Art.-No. Z500 (for DUO and ACRO)
- CS-screws 5x60 (250 pcs./package) | Art.-No. Z498 (for DUO, ACRO and BASIS)
- CS-screws 6x40 (250 pcs./package) | Art.-No. Z501 (for DUO and ACRO)
- CS-screws 6x60 (200 pcs./package) | Art.-No. Z499 (for DUO, ACRO and BASIS)



Installation



Route mortise



Mount with CS and PH-screws



Assemble

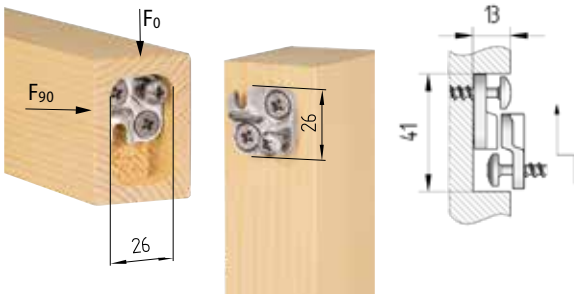


PRODUCT

DUO 26

DUO 26/26 mm

Art.-No. K047



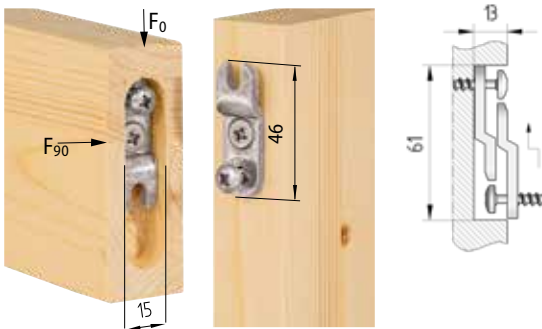
Mounting screws	5x40	5x60	Load capacity	
			zul F ₀	zul F ₉₀
PH	1	1	Slide-in direction	Right angle to slide-in direction
CS	2	2	0,97 kN	1,07 kN

Recommended timber dimension		Size of rebate		
Width/Height: 50x50 mm		Width	Height	Depth
		26 mm	41 mm	13 mm

DUO Series 15

DUO 46/15 mm

Art.-No. K041

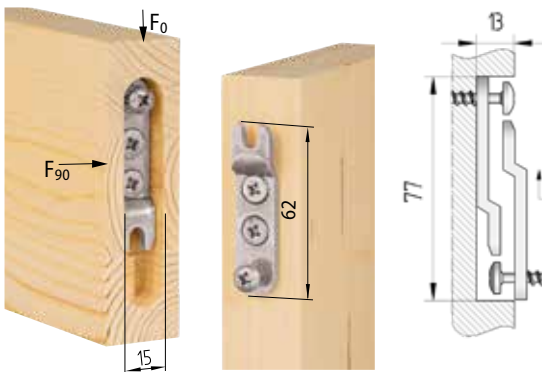


Mounting screws	5x40	5x60	Load capacity	
			zul F ₀	zul F ₉₀
PH	1	1	Slide-in direction	Right angle to slide-in direction
CS	1	1	0,86 kN	0,62 kN

Recommended timber dimension		Size of rebate		
Width/Height: 30x80 mm		Width	Height	Depth
		15 mm	61 mm	13 mm

DUO 62/15 mm

Art.-No. K036

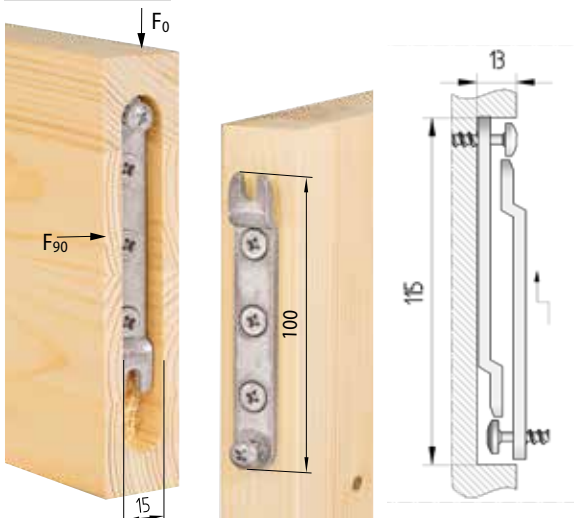


Mounting screws	5x40	5x60	Load capacity	
			zul F ₀	zul F ₉₀
PH	1	1	Slide-in direction	Right angle to slide-in direction
CS	2	2	1,29 kN	0,71 kN

Recommended timber dimension		Size of rebate		
Width/Height: 30/100 mm		Width	Height	Depth
		15 mm	77 mm	13 mm

DUO 100/15 mm

Art.-No. K055



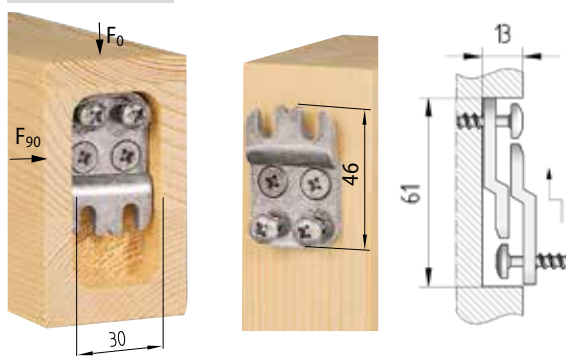
Mounting screws	5x40	5x60	Load capacity	
			zul F ₀	zul F ₉₀
PH	1	1	Slide-in direction	Right angle to slide-in direction
CS	3	3	2,00 kN	0,92 kN

Recommended timber dimension		Size of rebate		
Width/Height: 30/140 mm		Width	Height	Depth
		15 mm	115 mm	13 mm

DUO Series 30

DUO 46/30 mm

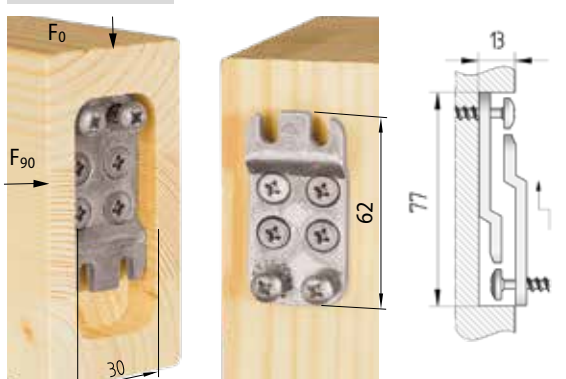
Art.-No. K046



Mounting screws	5x40	5x60	Load capacity		
			zul F ₀	zul F ₉₀	
PH	2	2	Slide-in direction	Right angle to slide-in direction	
CS	2	2	1,30 kN	1,12 kN	
Recommended timber dimension			Size of rebate		
Width/Height: 50/80 mm			Width	Height	Depth
			30 mm	61 mm	13 mm

DUO 62/30 mm

Art.-No. K022

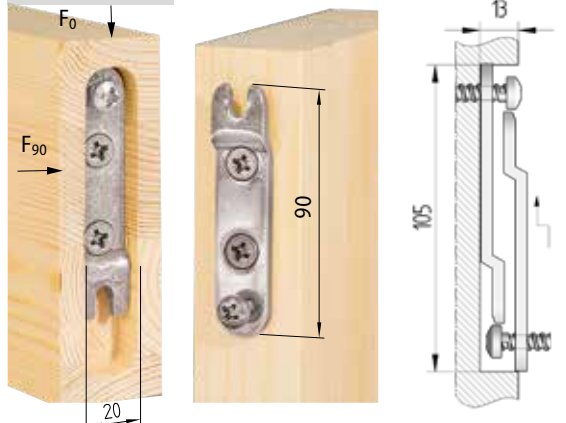


Mounting screws	5x40	5x60	Load capacity		
			zul F ₀	zul F ₉₀	
PH	2	2	Slide-in direction	Right angle to slide-in direction	
CS	4	4	2,15 kN	1,67 kN	
Recommended timber dimension			Size of rebate		
Width/Height: 50/100 mm			Width	Height	Depth
			30 mm	77 mm	13 mm

DUO 20 and 46

DUO 90/20 mm

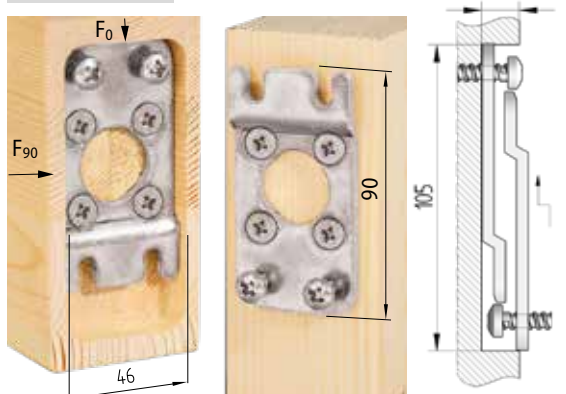
Art.-No. K037



Mounting screws	6x40	6x60	Load capacity		
			zul F ₀	zul F ₉₀	
PH	1	1	Slide-in direction	Right angle to slide-in direction	
CS	2	2	2,37 kN	1,03 kN	
Recommended timber dimension			Size of rebate		
Width/Height: 40/120 mm			Width	Height	Depth
			20 mm	105 mm	13 mm

DUO 90/46 mm

Art.-No. K040



Mounting screws	6x40	6x60	Load capacity		
			zul F ₀	zul F ₉₀	
PH	2	2	Slide-in direction	Right angle to slide-in direction	
CS	4	4	4,35 kN	2,28 kN	
Recommended timber dimension			Size of rebate		
Width/Height: 60/120 mm			Width	Height	Depth
			46 mm	105 mm	13 mm

ACRO-System

Post and beam connectors.

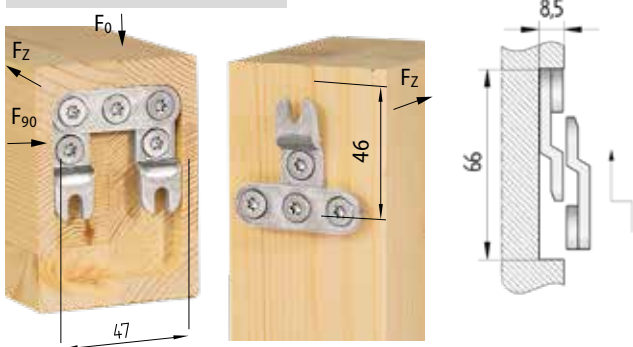
Applications:	Post and beam joints for light timber construction.
Benefits:	Concealed, self-tightening, connector for post and beam connections.
Installation:	Mill pocket with plunge router and MULTI F routing jig. Install connector with CS-screws $\varnothing = 5$ mm or $\varnothing = 6$ mm and PH retaining screws $\varnothing = 5$ mm or $\varnothing = 6$ mm (screw length depending on application)
Suitable materials:	Solid wood material.
Accessories:	Routing Jig MULTI F, Marking template, 2 Flute Straight Router Bit (Art.No. Z066). Various CS-screw lengths available on demand.



ACRO Series 47

ACRO 46/47 mm

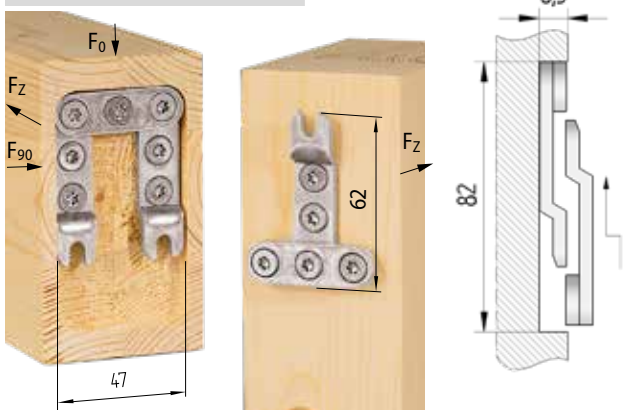
Art.-No. K042



Mounting screws	5x40	5x60	Load capacity		
			zul F ₀	zul F ₉₀	zul F _z
			Slide-in direction	Right angle to slide-in direction	Traction
CS, VG	4	5	1,43 kN	0,98 kN	1,93 kN
Recommended timber dimension			Size of rebate		
Width/Height: 55/75 mm			Width	Height	Depth
			47 mm	66 mm	8,5 mm

ACRO 62/47 mm

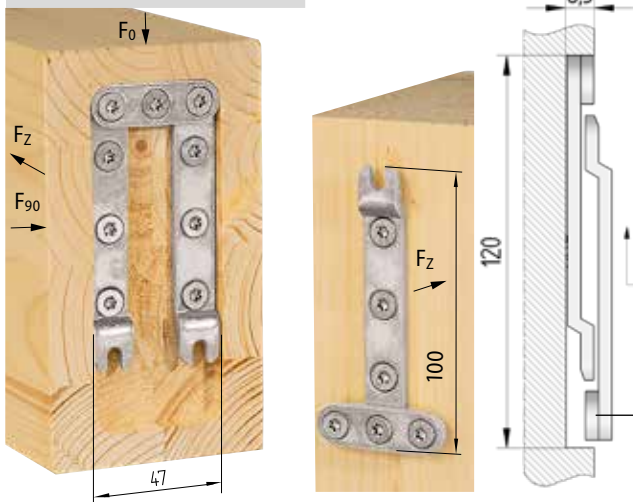
Art.-No. K033



Mounting screws	5x40	5x60	Load capacity			
			zul F ₀	zul F ₉₀	zul F _Z	
			Slide-in direction	Right angle to slide-in direction	Traction	
CS, VG	5	7	2,47 kN	1,64 kN	1,55 kN	
Recommended timber dimension			Size of rebate			
Width/Height: 60/100 mm			Width	Height	Depth	
			47 mm	82 mm	8,5 mm	

ACRO 100/47 mm

Art.-No. K057



Mounting screws	5x40	5x60	Load capacity		
			zul F ₀	zul F ₉₀	zul F _Z
			Slide-in direction	Right angle to slide-in direction	Traction
CS, VG	6	9	4,14 kN	2,78 kN	1,75 kN
Recommended timber dimension			Size of rebate		
Width/Height: 75/135 mm			Width	Height	Depth
			47 mm	120 mm	8,5 mm

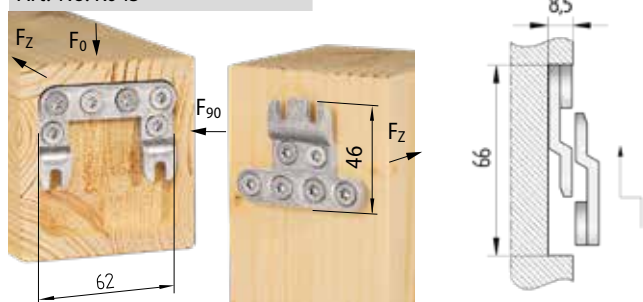
Note: Screw connection shall be on appropriate height adjustment

The load value refers to the shear force in the insertion direction. Commercially available CS-screws (5x40, 5x60, 6x40, 6x60 mm) in accordance with ÖNORM M 5027 must be used in ACRO systems. The test was carried out by Holzforschung Austria.

ACRO Series 62

ACRO 46/62 mm

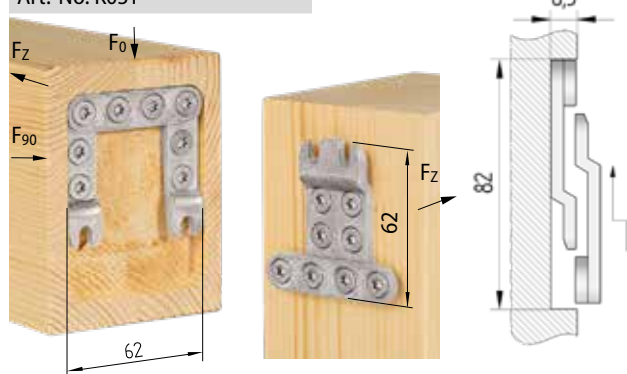
Art.-No. K043



Mounting screws	5x40	5x60	Load capacity		
			zul F ₀	zul F ₉₀	zul F _Z
			Slide-in direction	Right angle to slide-in direction	Traction
CS, VG	6	6	2,11 kN	1,55 kN	2,85 kN
Recommended timber dimension			Size of rebate		
Width/Height: 78/78 mm			Width	Height	Depth
			62 mm	66 mm	8,5 mm

ACRO 62/62 mm

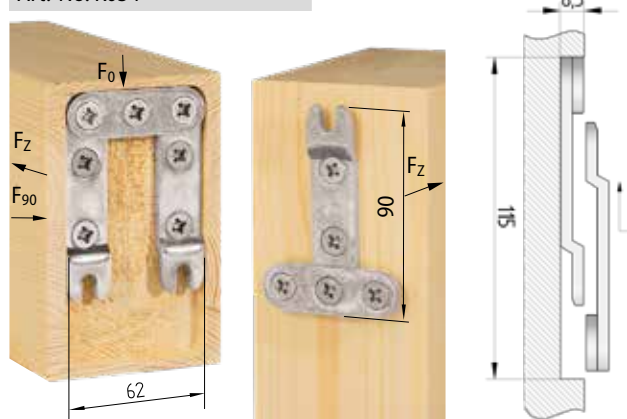
Art.-No. K031



Mounting screws	5x40	5x60	Load capacity		
			zul F ₀	zul F ₉₀	zul F _Z
			Slide-in direction	Right angle to slide-in direction	Traction
CS, VG	8	8	2,53 kN	1,80 kN	2,33 kN
Recommended timber dimension			Size of rebate		
Width/Height: 80/100 mm			Width	Height	Depth
			62 mm	82 mm	8,5 mm

ACRO 90/62 mm

Art.-No. K034

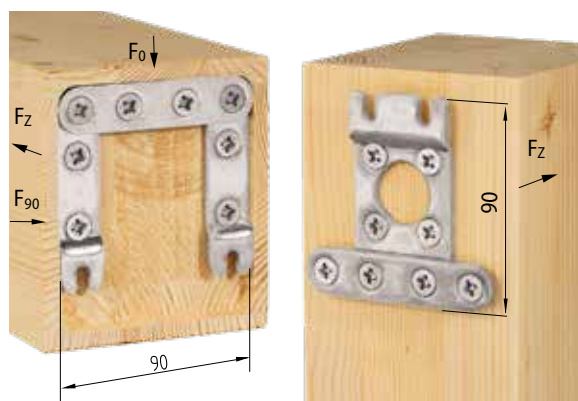


Mounting screws	6x40	6x60	Load capacity		
			zul F ₀	zul F ₉₀	zul F _Z
			Slide-in direction	Right angle to slide-in direction	Traction
CS, VG	5	7	4,49 kN	1,81 kN	2,60 kN
Recommended timber dimension			Size of rebate		
Width/Height:80/135 mm			Width	Height	Depth
			62 mm	115 mm	8,5 mm

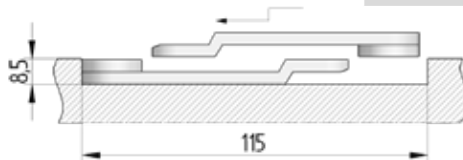
ACRO Series 90

ACRO 90/90 mm

Art.-No. K032



Mounting screws	6x40	6x60	Load capacity		
			zul F ₀	zul F ₉₀	zul F _Z
			Slide-in direction	Right angle to slide-in direction	Traction
CS, VG	8	8	5,40 kN	2,80 kN	2,39 kN
Recommended timber dimension			Size of rebate		
Width/Height: 115/135 mm			Width	Height	Depth
			90 mm	115 mm	8,5 mm



ACRO and BASIS installation



Route mortise with plunge router and routing jig.



Install ACRO connector brackets with screws



Assemble

The load value refers to the shear force in the insertion direction.
Commercially available, CS screws (5x60 or 6x60 mm) in accordance with ÖNORM M 5027 and M8 CS screws or M12 screws must be used with the BASIS system. The test was carried out by Holzforschung Austria.



PRODUCT

BASIS-System

Column/Post mounting connectors

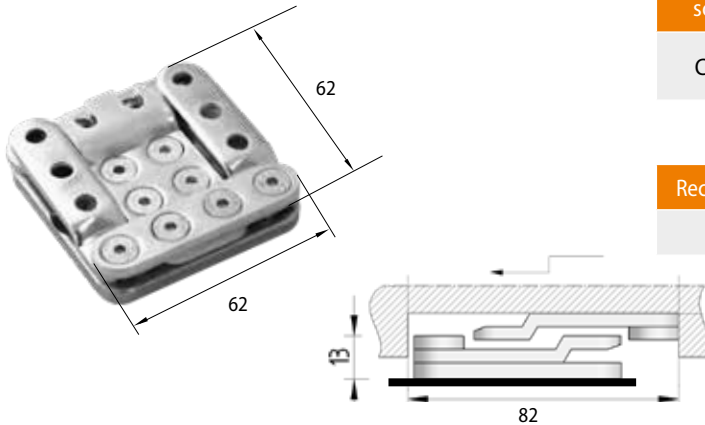
Applications:	Connector to mount columns and posts.
Benefits:	Connector for direct mounting on solid surfaces.
Suitable materials:	Timber post to firm ground i.e. concrete slab, tiles, stone, wood etc.
Installation:	The BASIS column connectors consist of the BASIS 90/90, 62/62 and a galvanized steel base plate that is bolted to the ground. The counterpart is installed to the bottom of the post and sits inside a pocket that is milled using a plunge router or CNC.
Accessories:	<p>For 62/62: Routing Jig MULTI F62 Art.-No. K504, TCT Slotter Art.-No. Z066, CS-screw 5x60 mm Art.-No. Z498</p> <p>For 90/90: Routing Jig MULTI F90 Art.-No. K505, TCT Slotter Art.-No. Z066, CS-screw 6x60 mm Art.-No. Z499</p>



Bowbridge

Basis 62/62 mm

Art.-No. K039



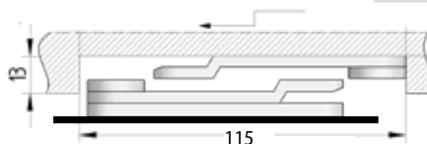
Mounting screws	5x60	M8	Load capacity		
			zul F ₀	zul F ₉₀	zul F _Z
CS, VG	8	2	Slide-in direction	Right angle to slide-in direction	Traction
			2,90 kN	2,47 kN	3,67 kN
Recommended timber dimension			Size of rebate		
Width/Height: 78/95 mm			Width	Height	Depth
			62 mm	82 mm	13 mm

Basis 90/90 mm

Art.-No. K038



Mounting screws	5x60	M12	Load capacity		
			zul F ₀	zul F ₉₀	zul F _Z
CS, VG	8	1	Slide-in direction	Right angle to slide-in direction	Traction
			3,99 kN	2,07 kN	4,72 kN
Recommended timber dimension			Size of rebate		
Width/Height: 115/135 mm			Width	Height	Depth
			90 mm	115 mm	13 mm



RICON® Stainless Steel

Universal connector made of A2 stainless steel up to 17,4 kN



© Montafoner Kristbergbahn GmbH, Silbertal (A)

RICON® Stainless Steel available in the following sizes:
100/30, 80/30, 60/30, 70/20, 66/16 (shown below)



More sizes available online.
160/40, 160/30, 140/30, 120/30, 80/40



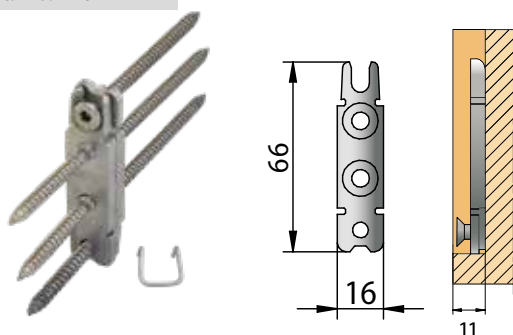
PRODUCT

© Scott Webb

Applications:	Indoor and outdoor: furniture, balcony, deck, carport, playground and sports equipment, pergola, and light timber construction.
Benefits:	Can be concealed or visible and used indoors and outdoors. Used with narrow timber widths starting from 20 mm upwards. High strength capacity up to 17,4 kN. Made of A2 stainless steel for usage classification 3.
Suitable materials:	All wood species, such as oak, douglas fir, larch and impregnated woods, such as Accoya.
Installation:	Make route using plunge router and routing jig or with CNC. Install plates with $\varnothing = 5$ mm and $\varnothing = 8$ mm CS-screws. Can be used for single joint and double joint connection.
Accessories:	2 Flute Straight Router Bit Art.-No. Z066, Routing template Multi F30 Art.No. K501, K506..., Mounting set RICON® Art.-No. K065.

RICON® 66/16 EA Stainless Steel ($F_{2,Rk}$ 4,8 kN*)

Art.-No. K267



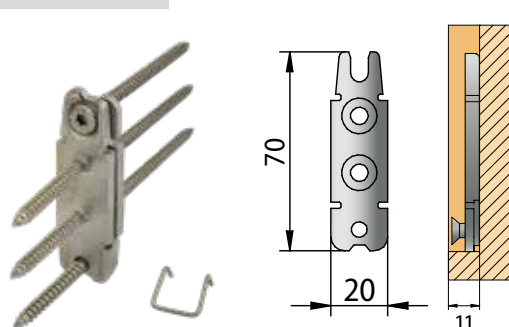
Connector	Type	Mounting screws		Charact. values [GL24h] NKL1*	
		Joist	Header	$F_{1,Rk}$ [kN]	$F_{2,Rk}$ [kN]
66/16	EA	3 x CS 5x80	3 x CS 5x50	3,5	4,8
1 locking clip: $F_{3,Rk} = 1,0$ kN			2 locking clips: $F_{3,Rk} = 2,0$ kN		

Minimum timber dimensions: 30 x 86 mm

*Interior Glulam

RICON® 70/20 EA Stainless Steel ($F_{2,Rk}$ 4,8 kN*)

Art.-No. K271



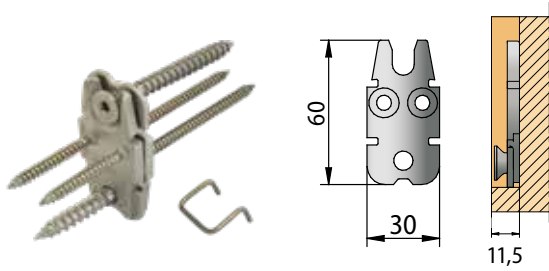
Connector	Type	Mounting screws		Charact. values [GL24h] NKL1*	
		Joist	Header	$F_{1,Rk}$ [kN]	$F_{2,Rk}$ [kN]
70/20	EA	3 x CS 5x80	3 x CS 5x50	3,5	4,8
1 locking clip: $F_{3,Rk} = 1,0$ kN			2 locking clips: $F_{3,Rk} = 2,0$ kN		

Minimum timber dimensions: 30 x 90 mm

*Interior Glulam

RICON® 60/30 EA Stainless Steel ($F_{2,Rk}$ 5,2 kN*)

Art.-No. K274



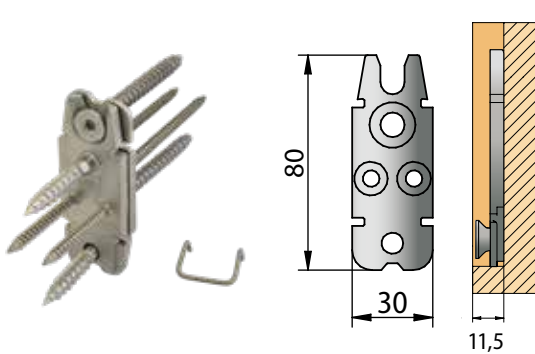
Connector	Type	Mounting screws		Charact. values [GL24h] NKL1*	
		Joist	Header	$F_{1,Rk}$ [kN]	$F_{2,Rk}$ [kN]
60/30	EA	3 x CS 10x120	3 x CS 10x80	4,4	5,2
1 locking clip: $F_{3,Rk} = 1,9$ kN			2 locking clips: $F_{3,Rk} = 3,8$ kN		

Minimum timber dimensions: 50 x 80 mm

*Interior Glulam

RICON® 80/30 EA Stainless Steel ($F_{2,Rk}$ 7,5 kN*)

Art.-No. K275



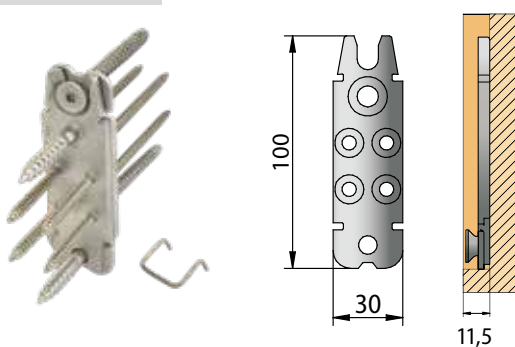
Connector	Type	Mounting screws		Charact. values [GL24h] NKL1*	
		Joist	Header	$F_{1,Rk}$ [kN]	$F_{2,Rk}$ [kN]
80/30	EA	2 x CS 8x80 2 x CS 5x80	2 x CS 8x50 2 x CS 5x50	4,4	7,5
1 locking clip: $F_{3,Rk} = 1,9$ kN			2 locking clips: $F_{3,Rk} = 3,8$ kN		

Minimum timber dimensions: 50 x 100 mm

*Interior Glulam

RICON® 100/30 EA Stainless Steel ($F_{2,Rk}$ 10,4 kN*)

Art.-No. K276



Connector	Type	Mounting screws		Charact. values [GL24h] NKL1*	
		Joist	Header	$F_{2,KKC,Rk}$ [kN]	$F_{45,Rk}$ [kN]
100/30	EA	2 x CS 8x80 2 x CS 5x80	2 x CS 8x50 4 x CS 5x50	4,4	10,4
1 locking clip: $F_{3,Rk} = 1,9$ kN			2 locking clips: $F_{3,Rk} = 3,8$ kN		

Minimum timber dimensions: 50 x 120 mm

*Interior Glulam

Other sizes can be found in the online store:

160/40, 160/30, 140/30, 120/30, 80/40


* Characteristic value $F_{2,Rk}$ in the direction of insertion only applies when using the original KNAPP®CS-Screw according to ETA 10/0189 (11.10.2019).

Installation


Mill with routing jig



Install with screws



Install the locking clip



Slide together


Secured connection
with locking clip

easy-con®

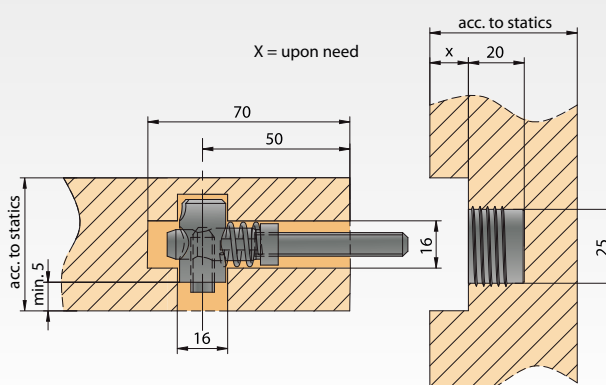
Tension element for table legs and stair treads



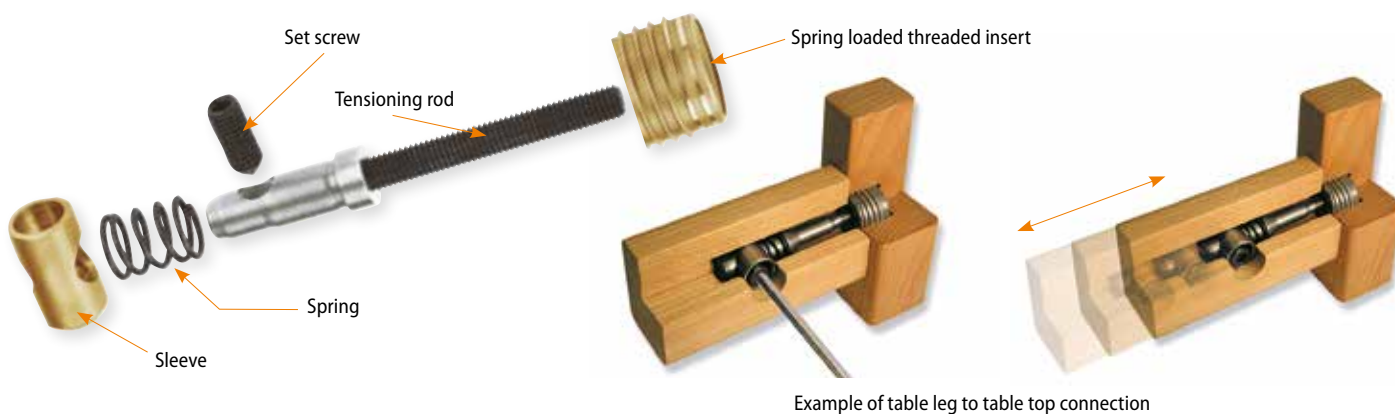
Art.-No. Z330 easy-con® M8-16-50



Art.-No. Z336 easy-con® M8-16-25



Applications:	Table leg to table tops and stair tread to stringer connections.
Benefits:	Non-visible, demountable, self-tightening, strong.
Suitable materials:	All wood materials (solid and composite).
Installation:	Pre-drill holes and insert connector pieces. Attach both components and tighten set screw.
Traction strength:	3 kN



Stair installation: Tread can be mounted both on top or on the side of the stringer.



Screw-in threaded insert (SW 10)



Insert clamping elements in holes



Tighten elements (SW 4)



Stair steps attached and secured, connected with easy-con®

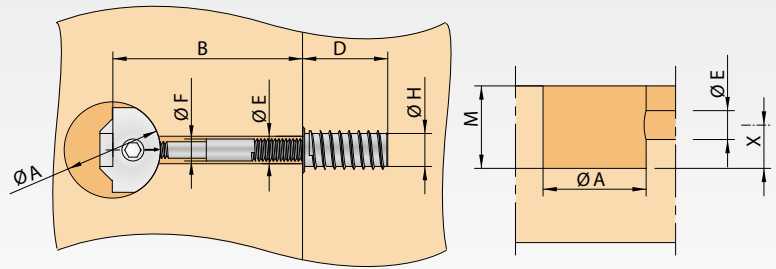


PRODUCT

ZIPBOLT™ 90 KD

Joint connector for frames ≥ 22 mm

Art.-No. Z372



Load capacity up to 60 kg tension load (failure load approx. 100 kg)

Drilling depth M	X	Ø A	B	D	Ø H	Ø F	E
20 mm	9,5 mm	35 mm	60-65 mm	32 mm	12 mm	8 mm	9 mm

Applications: Frame connector for beds and RTA furniture.

Benefits: Fast and easily installed by using a 5 mm hex bit SW5 in conjunction with cordless drill.

Suitable materials: For all solid wood and wood based panels.

Installation: Pre-drill holes using plunge router or CNC. Insert connector parts into holes and assemble.



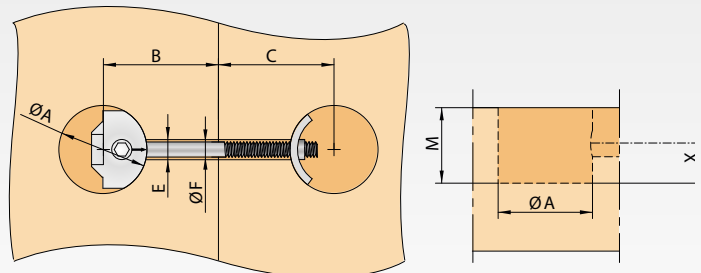
PRODUCT



ZIPBOLT™ 85

Joint connector for countertops ≥ 22 mm

Art.-No. Z358



Load capacity up to 60 kg tension load (failure load approx. 100 kg)

Drilling depth M	Length	X	Ø A	B	C	Ø F	E
20 mm	85 mm	9,5 mm	35 mm	33-44 mm	33-44 mm	6 mm	8 mm

Applications: Joint connector for worktops, countertops and panels.

Benefits: Fast and easily installed by using a 5 mm hex bit SW5 in conjunction with cordless drill.

Suitable materials: For all solid wood and wood based panels.

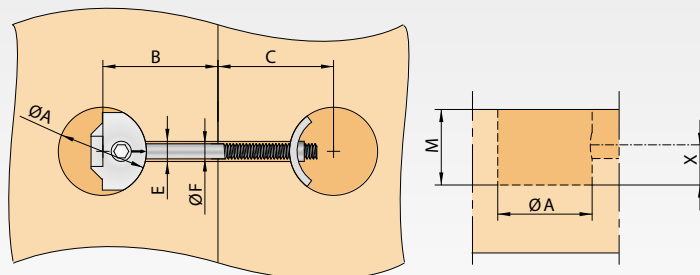
Installation: Pre-drill holes using plunge router or CNC. Insert connector parts into holes and assemble.



ZIPBOLT™ 120

Joint connector for countertops ≥ 22 mm

Art.-No. Z366



Load capacity up to 60 kg tension load (failure load approx. 100 kg)

Drilling depth M	Length	X	Ø A	B	C	Ø F	E
20 mm	120 mm	9,5 mm	35 mm	50-62 mm	50-62 mm	6 mm	8 mm

Applications: Joint connector for worktops, countertops and panels.

Benefits: Fast and easily installed by using a 5 mm hex bit SW5 in conjunction with cordless drill.

Suitable materials: For all solid wood and wood based panels.

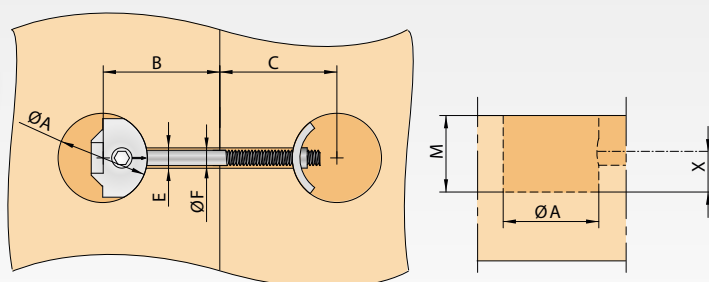
Installation: Pre-drill holes using plunge router or CNC. Insert connector parts into holes and assemble.



ZIPBOLT™ 170

Joint connector for countertops ≥ 22 mm

Art.-No. Z367



Load capacity up to 60 kg tension load (failure load approx. 100 kg)

Drilling depth M	Length	X	Ø A	B	C	Ø F	E
20 mm	170 mm	9,5 mm	35 mm	74-87 mm	74-87 mm	6 mm	8 mm

Applications: Joint connector for worktops, countertops and panels.

Benefits: Fast and easily installed by using a 5 mm hex bit SW5 in conjunction with cordless drill.

Suitable materials: For all solid wood and wood based panels.

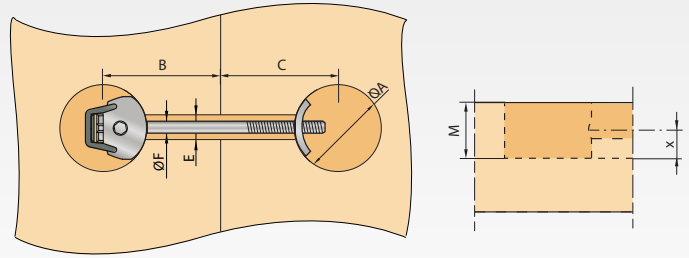
Installation: Pre-drill holes using plunge router or CNC. Insert connector parts into holes and assemble.



ZIPBOLT™ 100 MINI

Joint connector for countertops ≥ 16 mm

Art.-No. Z355



Load capacity up to 60 kg tension load (failure load approx. 100 kg)

Drilling depth M	Length	X	Ø A	B	C	Ø F	E
12,5 mm	100 mm	5,5 mm	25 mm	42-49 mm	42-49 mm	6 mm	10 mm

Applications: Countertop and panel connectors for straight butt joints.

Benefits: Fast and easily installed by using a 4 mm hex bit SW4 in conjunction with cordless drill.

Suitable materials: For all solid wood and wood based panels.

Installation: Pre-drill holes using plunge router or CNC. Insert connector parts into holes and assemble.



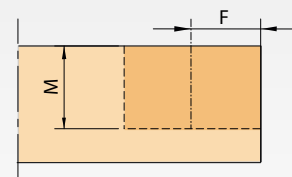
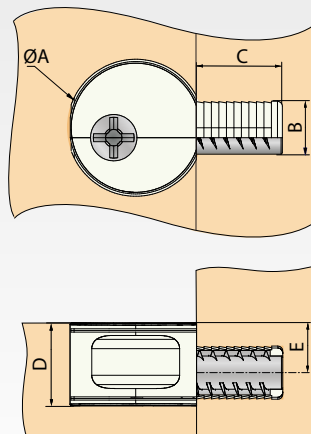
ZIPBOLT™ Fastfit

One-piece nesting connector for material ≥ 16 mm

Art.-No. Z339



One piece nesting connector



Drilling depth M	Ø A	B	C	D	E	F
13 mm	20 mm	8 mm	12,5 mm	12,5 mm	7,5 mm	min. 9,5 mm

Applications: Cabinets, case goods, architectural millwork and shop fitting.

Benefits: One-piece nesting connector.

Suitable materials: Wood panels, composite materials.

Installation: Drill dowel hole with drilling hand held machine or CNC. Insert into 20 mm nest hole and insert into drill holes of counter part. Tighten components with #2 Phillips screw driver.



TREPP0

Levelling screw for stair treads

Art.-No. Z300

40 mm



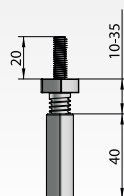
Art.-No. Z310

70 mm

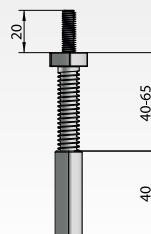


Art.-No. Z320

100 mm



Treppo 40



Treppo 70



Treppo 100

Tip: Moisten surface before gluing if wood is very dry.

Applications: Stair tread assembly for new construction and renovations.

Benefits: Height-adjustable mounting screw for steps to compensate for height differences with concrete steps.

Suitable materials: Wood stair treads attached to concrete, stone, and metal.

Installation: Concrete $\varnothing = 14$ mm and If wood $\varnothing = 6$ mm drilling. Bonding with KNAPP®-ADHESIVE PM + in the borehole.

Accessories: KNAPP®-ADHESIVE PM+ | Art.-No. Z010
see page 35



Pre-drill holes



Glue and insert



Transfer bore holes



Glue and assemble



PRODUCT

QUATRO 65, Z-DECK – Hidden Deck, Panel and Board connector

Hidden connection systems for decks, floorboards and wall panels, for indoor and outdoor.

- Concealed – from the first board to the last
- Quality – screws of all connectors are made of stainless steel
- Flexible – Allows shrinking and swelling of wood boards



QUATRO 65



Z-DECK



PRODUCT

QUATRO 65 – The deck and panel connector

- Recommended for spacing no smaller than 7 mm between decking boards and the under-construction
- Constructive wood protection against moisture
- Optimal rear ventilation through spacing
- Can be used for timber facades and formwork, for which rear ventilation has been implemented
- Easy installation with mounting templates
- UV and weather-resistant fiberglass reinforced plastic

Quatro 65/25: Art.-No. K081

Quatro 65/30: Art.-No. K080

Z-DECK – The deck and panel connector

- Recommended spacing: starting at 7mm
- Very robust and can be used even for beach and boat docks
- Boards can be quickly and individually replaced
- Optimal wood protection through self-cleaning joint design
- More solid than visible screw connections from the top
- Increased security against twisting of the boards
- Connectors and screws are made of quality stainless steel

Z-Deck: Art.-No. K082

KNAPP®-ADHESIVE

Polyurethane adhesive - Heat resistant up to 120 °C (248 °F)



KNAPP®-ADHESIVE PM+

- gap-filling for wide joints
- low rise foaming
- water resistance according to D4 DIN EN 204
- free from curing agents

KNAPP®-ADHESIVE PU+

- gap-filling for thin joints
- for fine surfaces
- water resistance according to D4 DIN EN 204
- free from curing agents

	KNAPP®-ADHESIVE <i>PM+</i>	KNAPP®-ADHESIVE <i>PU+</i>
Article-No.	Art.-No. Z010	Art.-No. Z011
Applications:	Suitable for on-site work and rough surfaces.	Wide range from furniture to window manufacturing, suitable for fine surfaces.
Benefits:	An easy to handle one-component polyurethane adhesive, gap-filling, water resistant, formaldehyde-free according to DIN EN204 - D4.	An easy to handle one-component polyurethane adhesive free from curing agents and formaldehyde-free, water resistant according to DIN EN2017 - D4.
Application instructions:	Apply on one side, it will foam during the curing process. Skinning time is about 7 minutes, functional strength after 20 min, curing time at approx. 24 hours, working temperature minimum +7°, moisture content of wood 8 - 18 %, adhesive testing is recommended.	Apply on one side, it will foam during the curing process. Skinning time is about 10 minutes, functional strength after 20 min, curing time at approx. 24 hours, working temperature minimum +7°, moisture content of wood 8 - 18 %, adhesive testing is recommended.
Suitable materials:	Wood and building materials, many plastics, stone, ceramic, metal and KNAPP®-Connectors, especially the TREPPO (2 or 3 cartridges are needed for 100 drillings).	Large range of wood materials, all types of plastic, stone, metal and all recommended KNAPP®-Connectors.
Mounting:	General application instructions with the technical and safety data sheets is available to download.	

TRIED-AND-TESTED
 I fast curing
 I solvent-free



KNAPP®-ADHESIVE PM+ is recommended for fixing wooden stair-treads:

TREPPO



KNAPP®-ADHESIVE PU+ is recommended for:

CHAMP



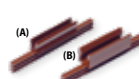
CLIPS



KNAPP®-DOWEL



miniKLiCK



PRODUCT



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Service

Need the right connector for your next project? Find your sales representative easily on our website:

knapp-connectors.com/en/contact



24/7 online-store

Do you want to order around the clock? Our online store is open 24/7.*

knapp-connectors.com/en/online-store
 *not available in Switzerland and America.



Downloads

All brochures, data sheets and technical details are available for download on our website.

knapp-connectors.com/en/downloads



Concealed | Self-tightening | Demountable



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