Connecting systems

for modern furniture and interior design







Welcome to the World of KNAPP®!

As a producer of patented connecting systems we develop and produce high-quality products which are distributed worldwide. Not only will our connecting systems convince – but also inspire you with the wide range of applications. The comprehensive service offers you the possibility to find the best, the most efficient and innovative solution for the realisation of your products. On the following pages you will find our connector systems for modern furniture and interior design.

Friedrich Knapp Company founder

Our Customer Service

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.
- You can reach our global sales manager on phone +43 (0)664 / 88 51 52 87 or E-Mail : globalsales@knapp-connectors.com
 - ノ h www.knapp-connectors.com/contact



KNAPP[®] offers the right connection for the areas of:

Timber construction Post-beam wood-glass-facade Prefab walls Timber construction engineering Door- and window construction Furniture and interior design Glued glass elements for timber and metal construction

More information www.knapp-connectors.com/folder

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You want to be flexible and order at any time? No problem! In our online-store you can easily find the most fitting connecting system for any purpose and send your order by one mouse click. After a quick registration, you can immediately start buying online.



www.knapp-connectors.com/online-store



Register



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A MARINA LELEVILLE			

3

SUNNY

4

Slide connect	tor, plastic
ArtNo. Ko53	
E	55,7 R 50 Locking clip
Mounting:	Knock in following the radius of the cutting edges.
Advantages:	Concealed, self-tightening connector with integrated locking clips.
Installation:	Cutting a slot with a plate joiner (Lamello machine "20") and by means of fine-tuning of the groove depth T. Insert connector part and counterpart together into milled groove.
Suitable materials:	All softwoods and board materials without laminate surfaces.
Application:	Carcase furniture, interior design, shopfitting, clamping device for mitre joints and corners.
Accessories: see page 15	Insert tool ArtNo. Ko49/E





2) Insert



3) Knock in with the insert tool



4) Assemble

SILVER

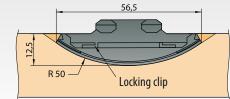
1) Routing

Slide connector, alloy-diecast

Art.-No. Ko49







Mounting:	Knock in following the radius of the cutting edges.
Advantages:	Concealed, self-tightening, demountable connector with integrated locking.
Installation:	Cutting a slot with a plate joiner (Lamello machine "20") and by means of fine-tuning of the groove depth T. Insert connector part and counterpart together into milled groove.
Suitable materials:	All softwoods and board materials not likely to split.
Application:	Carcase furniture, interior design, shopfitting, clamping device for mitre joints and corners.
Accessories: see page 15	Insert tool ArtNo. Ko49/E





 2) Bending locking clips



3) Insert, knock in



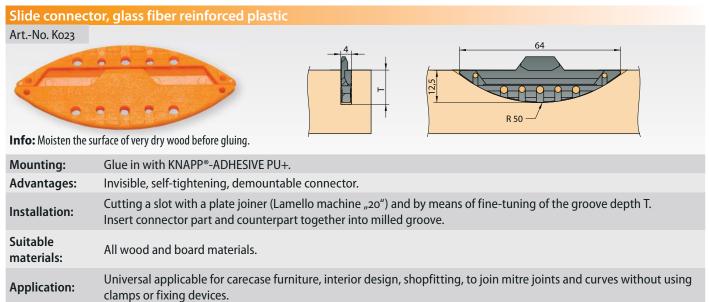
4) Knock in with the insert tool



5) Assemble

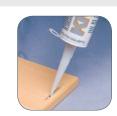
Routing

CHAMP



Accessories:

see page 23



2) Gluing

KNAPP®-ADHESIVE PU+ | Art.-No. Z011



3) Insertion



 4) Position with template



5

5) Assemble

1) Routing

CHICO Slide connector, alloy-diecast Art.-No. Ko30

Mounting:	Screw in with CS-screws $\emptyset = 4.5$ mm.
Advantages:	Self-tightening, demountable connector with integrated stop.
Installation:	Cutting a slot with any spindle moulder, plunge router or CNC equipment and screw in or screw onto surface.
Suitable materials:	All wood and board materials.
Application:	Carcase furniture, interior design, trim panels.



1) Routing







3) Screwing



4) Assemble

METAL

6

Slide connector, alloy-diecast Art.-No. Ko26 57,2 R 50 Locking clip Mounting: Screw in with PH-screws. Advantages: Concealed, self-tightening, demountable connector with integrated locking clips. Cutting a slot with a plate joiner (Lamello machine "20") and by means of fine-tuning of the groove depth T. Installation: Insert connector part and counterpart together into milled groove. Suitable All wood and board materials. materials: **Application:** Carcase furniture, interior design, shopfitting, door frames. Accessories: PH-screw 3x13 mm | Art.-No. Z600

see page 15 PH-screw 3x13 mm | Art.-No. Z601





 2) Bending locking clips

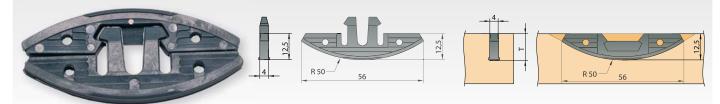




4) Assemble

FAST

Clip-in connector, plastic Art.-No. Ko58



Mounting:	Knock in following the radius of the cutting edges, permanent gluing optional.
Advantages:	Concealed, self-tightening, demountable connector, immediately load bearing.
Installation:	Cutting a slot with a plate joiner (Lamello machine "20") and by means of fine-tuning of the groove depth T. Insert connector part and counterpart together into milled groove.
Suitable materials:	All softwoods and board materials without laminated surfaces.
Application:	Carcase furniture, interior design, shopfitting, blinds, coverings.
Accessories: see page 15	Insert tool ArtNo. Ko49/E



1) Routing



Insert



3) Knock in with the insert tool



4) Assemble

7

CLIPS

Clip-in connector, plastic Art.-No. Ko54 9 Info: Moisten the surface of very dry wood before gluing. Mounting: Glue in with KNAPP®-ADHESIVE PU+. Advantages: Self-tightening, demountable connector, adjustable (gap or rabbet). Cutting a slot with a plate joiner (Lamello machine "20"). Insert each different connector halves with some adhesive Installation: into the pre-cut slots. Suitable All wood and board materials. materials: **Application:** Carcase furniture, interior design, shopfitting, to join mitre joints and curves without using clamps or fixing devices. Accessories: KNAPP®-ADHESIVE PU+ | Art.-No. Z011 see page 23









4) Assemble

1) Routing

Gluing

Insert



One piece connector for material \geq 16 mm Art.-No. Z339 One piece joint connector

	Drilling depth M	Ø A	В	C	D	Е	F
	13 mm	20 mm	8 mm	12,5 mm	12,5 mm	7,5 mm	min. 9,5 mm
Mounting:	Drive in with a cros						
Advantages:	One-piece connect						
Installation:	Dowel hole drilling						
Suitable materials:	Wood panels, com		*				
Application:	Connector for corner joints.						-

DUO 30, DUO 35

The hook connector made of steel

System advantages:

- Easy to mount, concealed and immediately loadable
- Low cutting depth only 3 mm
- Flexible use as a variant $\emptyset = 30$ and 35 mm
- Optional mL / oL (with / without tolerance)
- To be installed with standard industrial screws
- Hooking way 15 mm

DUO 30 mL

DUO 30 oL

Art.-No. Ko70

Art.-No. Ko74

DUO 35 oL

Art.-No. Ko62

±0



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

DUO 35 mL

Art.-No. Ko61

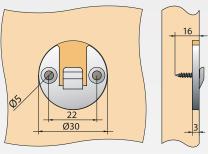




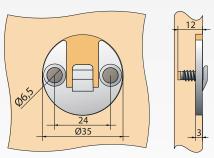
Optimized for CNC-processing: Euro-screws 6x10 mm



Installation example: Mounting on door leaf and facing element.



Hooking way 15 mm



Hooking way 15 mm

More information: www.knapp-connectors.com/duo3035

Mounting:	Screw on DUO 30 with CS screws 3,5x16 mm / DUO 35 with Euro-screws 6x10 mm, screw length depends on application, installation depth only 3 mm.
Advantages:	Concealed, self-tightening, demountable connector which allows shrinkage and expansion moving $(mL = with tolerances)$ or for exact placing (oL = with no tolerances).
Installation:	Drill installation holes using the TCT boring bit $Ø = 30/35$ mm according to marking or by using depth gauge or center punches or with CNC equipment.
Suitable materials:	All kinds of wood and particle boards.
Application:	Facades and windows, staircases and handrails, coverings and door covering layers.
Accessories: see page 15	TCT boring bit (Ø = 30/35 mm, adjustable depth gauge) ArtNo. Z070 / ArtNo. Z071 Center punch DUO 30/35 ArtNo. K071 / ArtNo. K069, Handrail punch DUO 30 ArtNo. K075 Adjustable boring template DUO 30/35 ArtNo. K563

For construction manuals, .DXF drawings for DUO 30, UNO 30 as well as your personal consultant in your area, please visit: www.knapp-connectors.com/download

Installation DUO 30



1) Drilling with jig



or according to mark



2) Mark with center punch



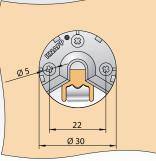
3) Screwing

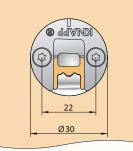


for DUO 30 und UNO 30

Art.-No. K121







__3,5

DUO 30 with locking clip

Mounting: By inserting and screwing with DUO 30 or UNO 30. Advantages:

Safety catch loads up to 24 kg (failure load approx. 73 kg).

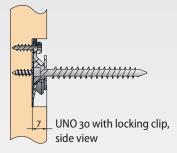
UNO 30

Universal stainless steel hanging connector with locking clip (optional) Art.-No. K120



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

Optional also available with: CS-holding screw 5x30 mm or CS-holding screw stainless steel A2 5x25 mm



Mounting:	Screwing in with CS screws \emptyset = 3 mm, only 7 mm drill depth.				
Advantages:	Concealed, self tightening, demountable connector for 30 mm drills.				
Installation:	Drilling hole by using the TCT boring bit according to distance marks or by using the drilling jig. Copy the hole by using the center punch and screw in.				
Suitable materials:	All kind of wood boards (solid and composite materials).				
Application:	With or without locking clip, for furniture, interior design, facades, panelling.				
Accessories: see page 25	TCT boring bit (Ø = 30 mm, with adjustable depth stop) ArtNo. Zo70 Center punch UNO 30 ArtNo. K073 Adjustable boring template UNO 30 ArtNo. K563				











or according to mark

2) Screwing

3) Transfer with the center punch

TREPPO



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

Mounting:	Glue in with KNAPP®-ADHESIVE PM+ with drill hole.
Advantages:	Adjustable mounting screw for steps to compensate the differences in height on concrete steps.
Installation:	Drilling machine with \emptyset = 14 mm for concrete and \emptyset = 5 mm drills for stair treads.
Suitable materials:	Wooden stair treads on concrete, stone or metal.
Application:	Stair tread mounting, stair restoration.
Accessories: see page 23	KNAPP®-ADHESIVE PM+ ArtNo. Zo10



1) Drill



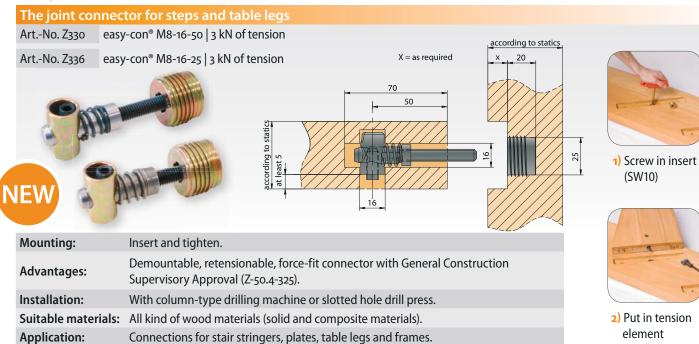
2) Gluing and install

3) Transfer drillings



4) Assemble

easy-con®



















3) Tighten tension element (SW4)

Example of the connection of table legs with easy-con®.



Suitable materials: **Application:**

Dowel-jig, power drill, dowel inserting machine. All kind of wood boards (solid and composite materials).

driller

Furniture, interior design, shopfitting e.g. panels and infill panels.



1) Drill with dowel inserting machine



or with CNC milling machine



or with table dowel 2) Screw in





3) Insert

4) Assemble

KNAPP®-DOWEL

The modern dowel made of plastic

System advantages:

- Effective prefabrication drill in with dowel inserting machine (chamfer opposite drill hole 1 mm)
- Fast mounting connection is immediately loadable because traversal grooves raise the stability
- Depending on the material up to 6 KNAPP®-DOWELS are recommended for 600 mm
- Longitudinal grooves distribute the glue and prevent bulging of the panels (PVA glue)
- When the gluing is double-sided deeper drilling is recommended (+6 up to 8mm)
- No shrinking or swelling, risk of breakage or cleaving as with a hardwood dowel
- Weather resistant resistant compound for interior and exterior use
- Stable through additional bonding with KNAPP®-ADHESIVE PU+ particularly high loads

Center point for marking the hole.

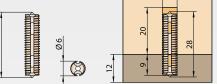
High strength and weather-resistant plastic.

Holes and elongated slots provide anchorage with the use of KNAPP®-ADHESIVE PU+. Frictional connection formed between the components by the curing of the adhesive.



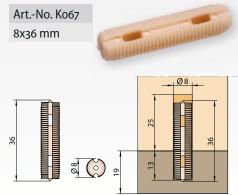
Thread for the maintenance in the wood. Also enables installing and removing the KNAPP®-DOWEL's. KNAPP[®]-DOWEL 6 mm

Art.-No. Ko66 6x28 mm



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

KNAPP[®]-DOWEL 8 mm



A More information:

www.knapp-connectors.com/dowel

Knock in, optionally gluing with KNAPP [®] -ADHESIVE PU+.
UV-resistant, self-tightening dowel.
Dowel-jig, power drill, dowel inserting machine.
All kinds of wood materials (solid and composite materials).
Carcase furniture, interior design, windows, shopfitting.
KNAPP®-ADHESIVE PU+ ArtNo. Zo11

KNAPP®-DOWEL

Installation



 Drill with dowel inserting machine



or with table dowel driller







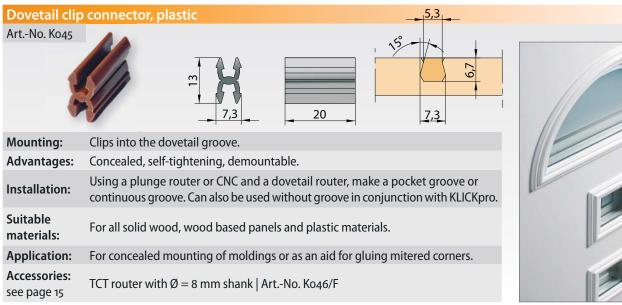


Knock in

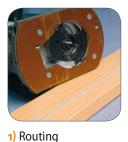
Assemble

For construction manuals, .DXF drawings for KNAPP®-DOWEL as well as your personal consultant in your area, please visit: www.knapp-connectors.com/download

KLICK



Installation





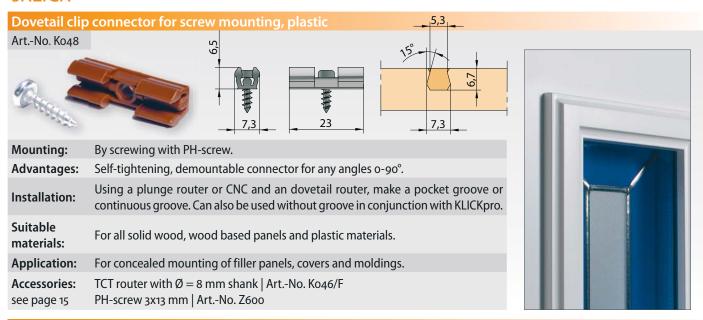


3) Positioning



4) Assemble

sKLICK



Installation









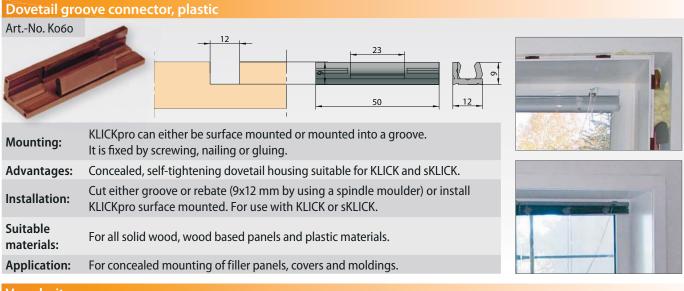
Routing

Screwing

Positioning

4)Assemble

KLICKpro



Verarbeitung



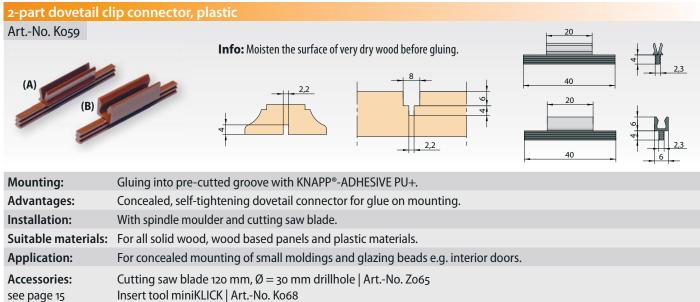


2) Screwing



Assemble

miniKLICK



see page 23 KNAPP®-ADHESIVE PU+ | Art.-No. Zo11

Installation

1) Routing









Gluing

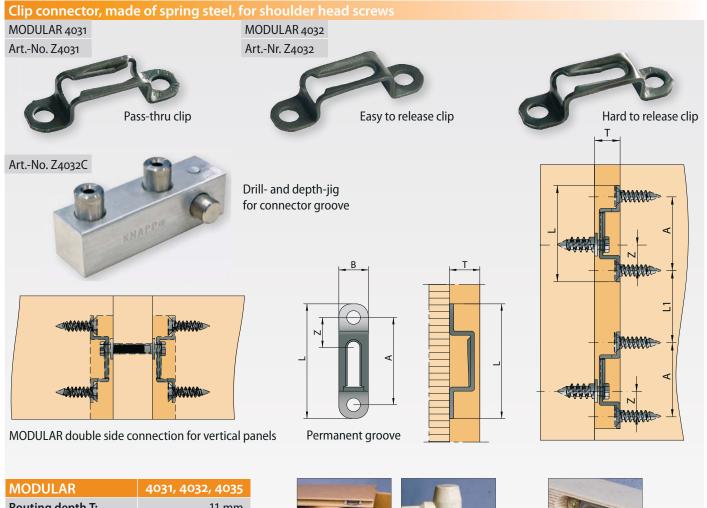
Insert

Assemble

Accessories

ACCESSO		
Insert tool		
ArtNo. Ko49/E		
Application:	To positioning SUNNY, SILVER and FAST.	
Center punch	DUO 30/35	
ArtNo. Ko71	Center punch DUO 30	
ArtNo. Ko75	Handrail punch DUO 30	
ArtNo. Ko69	Center punch DUO 35 mit \emptyset = 5 mm for pre-drilling holes for Euro-screws	
Application:	To copy the drilling positions of DUO 30 and 35.	
TCT boring bi	t Ø = 30 mm/35 mm	
ArtNo. Zo70	TCT boring bit for DUO 30 and UNO 30 ($\emptyset = 30$ mm) with adjustable depth stop	
ArtNo. Zo72	TCT boring bit for DUO 30 and UNO 30 (\emptyset = 30 mm) with adjustable depth stop and adjustable centering point	TOP
ArtNo. Zo71	TCT boring bit for DUO 35 (\emptyset = 35 mm) with adjustable depth stop	With improved chip swarf
Application:	To prebore exactly DUO 30, DUO 35 and UNO 30.	
Adjustable bo	oring template	
ArtNo. K563	Depth gauge including center punch suitable to TCT boring bit $\emptyset = 30/35$ mm	
	- in the second s	
Application:	Boring template for DUO 30, DUO 35 and UNO 30.	
Center punch	UNO 30	ser -
ArtNo. Ko73		0
Application:	To copy the drilling positions of UNO 30.	
TCT router		
ArtNo. Ko45/F	TCT router with $\emptyset = 6$ mm shank	
ArtNo. Ko46/F	TCT router with $\emptyset = 8$ mm shank	
ATL-NO. K040/F		
Application:	For routing of the dovetail groove for KLICK and sKLICK connectors.	
Cutting saw b	lade miniKLICK	
ArtNo. Zo65	Cutting saw blade $\emptyset = 120$ mm, spindle $\emptyset = 30$ mm	
Application:	For routing of the groove for miniKLICK connector.	
PH-screws		
ArtNo. Z600	PH-screw 3x13 mm (for METAL, UNO 30 and sKLICK)	- Su
ArtNo. Z601	PH-screw 3x25 mm (for METAL)	and the second second
Application:	For screwing the connectors METAL, UNO 30 and sKLICK.	

MODULAR



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 system boring



Totally concealed installation

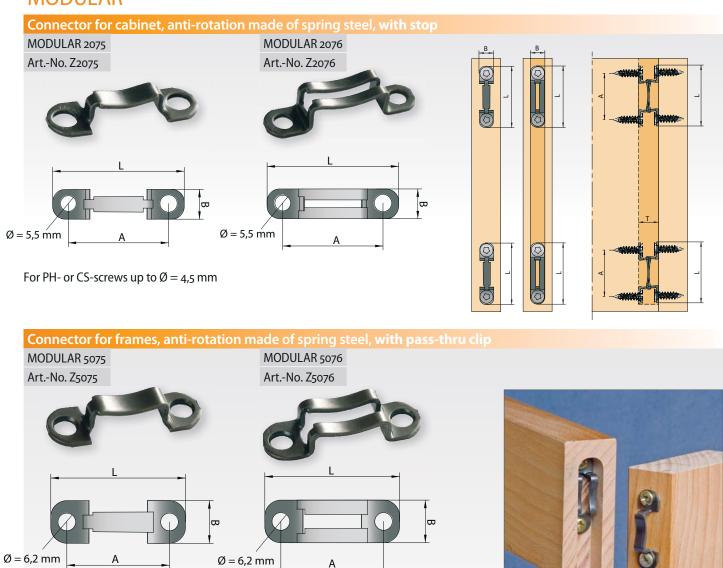
Mounting:	With PH- or CS-screws $\emptyset = 4,5$ mm (length as required) and shoulder head screw.
Advantages:	Concealed, self-tigthening connector for 32 mm system, demountable, for timber and steel.
Installation:	Spindle moulder, plunge router, CNC equipment.
Suitable materials:	For all solid wood, wood based panels and plastic materials from 16 mm thickness up.
Application:	Carcase furniture, interior design, shopfitting.
Accessories:	Drill- and depth-jig ArtNo. Z4032C

MODULAR - shoulder head screw Double side connection

Shoulder head screws	
MODULAR 2055	MODULAR 2155
ArtNo. Z2055	ArtNo. Z2155
Thread length: 13	mm 16 mm

Shoulder head screws M4	
MODULAR 2069	MODULAR 2066
ArtNo. Z2069	ArtNo. Z2066
15 mm	16 mm

MODULAR



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

MODULAR	2075, 2076	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

MODULAR with friction

17

Mounting:	Screwed in by using PH- or CS-screws $\emptyset = 5$ mm (length as required).
Advantages:	No rotation, concealed, self-tightening connector for 32 mm system, demountable.
Installation:	Spindle moulder, plunge router, CNC equipment.
Suitable materials:	For all solid wood, wood based panels and plastic materials from 16 mm thickness up.
Application:	Carcase furniture, interior design, shopfitting.

Installation



1) Routing



Depth setting



Pre-drill



4) Screwing



5) Screwing

DUO

Frame connectors



Advice:	The steel parts consist of two identical connectors and are manufactured from high strength galvanized steel in Austria.
Mounting:	By screwing with CS-screws $\emptyset = 5$ mm or $\emptyset = 6$ mm (length as required) and PH-holding screws $\emptyset = 5$ mm or $\emptyset = 6$ mm.
Advantages:	Concealed, self-joining, adjustable joints by retaining screw for frames compounds.
Installation:	With CNC machine, mortising machine, hand router.
Suitable materials:	All solid wood and plywood materials from \geq 21 mm.
Application:	Frames for furniture, stairs and exhibitions booth, interior design.

Accessories

Routing-jigs MULTI F (plywood)

Routing-jig MULTI F 15, DUO 46/15, DUO 62/15, DUO 100/15 | Art.-No. K500 Routing-jig MULTI F 20, DUO 90/20 | Art.-No. K506 Routing-jig MULTI F 30, DUO 46/30, DUO 62/30 | Art.-No. K501 Routing-jig MULTI F 46, DUO 90/46 | Art.-No. K503

Advice: All routing-jigs are suitable for a \emptyset = 30 mm guide bush (for plunge router) and a \emptyset = 15 mm TCT router cutter.

TCT router cutter

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

Holding screws (pan head screws, full threaded)

PH-screws 5x40 (200 pcs./package) | Art.-No. Z702 PH-screws 5x60 (200 pcs./package) | Art.-No. Z704 PH-screws 6x40 (250 pcs./package) | Art.-No. Z800 PH-screws 6x60 (200 pcs./package) | Art.-No. Z802

Holding screws (countersunk screws, full threaded)

CS-VG-screws 5x40 (500 pcs./package) | Art.-No. Z500 CS-VG-screws 5x60 (250 pcs./package) | Art.-No. Z498 CS-VG-screws 6x40 (250 pcs./package) | Art.-No. Z501 CS-VG-screws 6x60 (200 pcs./package) | Art.-No. Z499









Screwing (a)



3) Screwing (b)



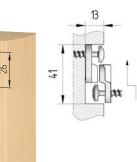
4) Assemble



DUO 26

DUO 26/26 mm





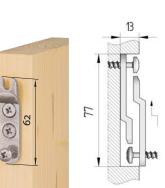
Holding	5x40	5x60	Load capacity				
screws	5X40	5X00	$zul F_0$		zul F ₉₀		
РН	1	1	Slide-in direc		ght angle to e-in direction		
CS	2	2	0,97 kN		1,07 kN		
Recomme of squar							
		Width	Height	Depth			
Width/Height: 50x50 mm		26 mm	41 mm	13 mm			

DUO series 15

DUO 46/15 mm	1								
ArtNo. Ko41				Holding	5x40	5x60		Load capacit	
Fo			13	screws	3740	3700	zul F _o		zul F ₉₀
0			* esse =D	РН	1	1	Slide-in dired	tion sli	Right angle to de-in direction
F ₉₀ ►	F90 → 2 8		5	CS	1	1	0,86 kN		0,62 kN
		8	0 = x xx	Recomme of squar				Size of rebate	2
			all and a second				Width	Height	Depth
15				Width/Heigh	nt: 30/80	mm	15 mm	61 mm	13 mm

DUO 62/15 mm Art.-No. Ko36

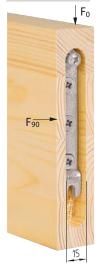




Holding	510	5	Load capacity				
screws	5x40	5x60	zul F ₀			zul F ₉₀	
PH	1	1	Slide-in direction		Right angle to slide-in direction		
CS	2	2	1,29 kN		0,71 kN		
Recommended size of square timber				Size of re	bate		
			Width	Heigh	nt	Depth	
Width/Height: 30/100 mm		15 mm	77 mm		13 mm		

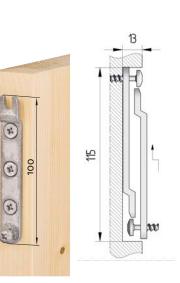
DUO 100/15 mm

Art.-No. Ko55



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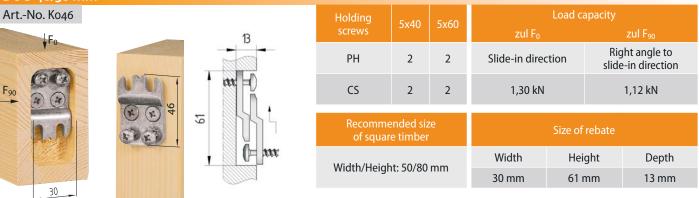
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Holding 5x40 5x60			Load capacity				
screws	5X40	5X00	zul F _o	$zul F_0$		zul F ₉₀	
PH	1	1	Slide-in direction		Right angle to slide-in direction		
CS	3	3	2,00 kN		0,92 kN		
Recommended size of square timber				Size of	rebate		
Width/Height: 30/140 mm			Width	Height		Depth	
			15 mm	115 mm		13 mm	

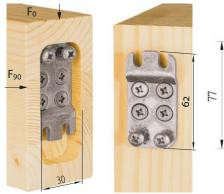
DUO series 30

DUO 46/30 mm



DUO 62/30 mm

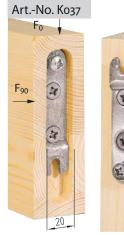




Holding	5x40	5x60		Load capacity		
screws	3740	3X00	zul F ₀			zul F ₉₀
РН	2	2	Slide-in direction		Right angle to slide-in direction	
CS	4	4	2,15 kN		1,67 kN	
Recomme of squar			Size of rebate			
			Width	Heig	ght	Depth
Width/Height: 50/100 mm		30 mm 77 mm			13 mm	

DUO 20 and 46

DUO 90/20 mm





90

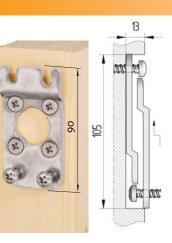
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1	Holding	6x40	6x60		Load capacit	у
	screws	0X40	0000	zul F ₀		zul F ₉₀
	PH	1	1	Slide-in dired		Right angle to lide-in direction
	CS	2	2	2,37 kN		1,03 kN
	Recomme of squar				Size of rebat	e
	\\/:- + -/ -::- -/	L 40/120		Width	Height	Depth
	Width/Height	1: 40/120	11111)	20 mm	105 mm	13 mm

DUO 90/46 mm Art.-No. Ko40



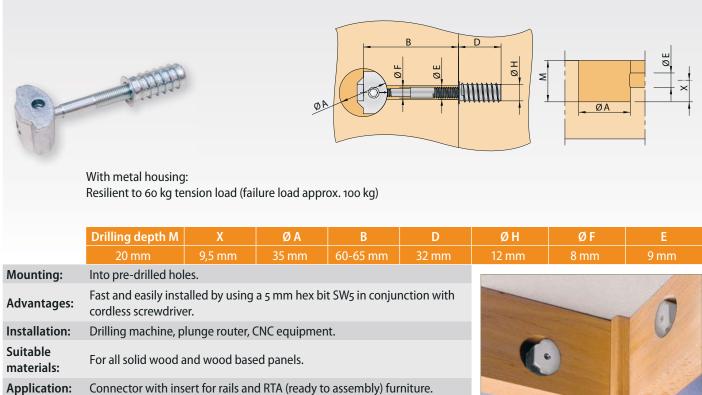


Holding	C:: 40	6x60		Load capacity	
screws	6x40	000	zul F _o		zul F ₉₀
РН	2	2	Slide-in dired		ight angle to le-in direction
CS	4	4	4,35 kN		2,28 kN
Recomme of squar				Size of rebate	
\\/:_ + / :- -	t. (0/12)		Width	Height	Depth
Width/Heigh	1:00/120	mm	46 mm	105 mm	13 mm

ZIPBOLT[™] 90 KD

Joint connector for frames \geq 22 mm

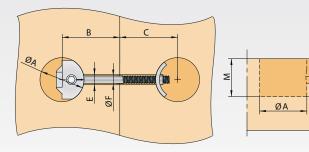
Art.-No. Z372



ZIPBOLT[™] 85

Joint connector for worktops ≥ 22 mm Art.-No. Z358





With metal housing: Resilient to 60 kg tension load (failure load approx. 100 kg)

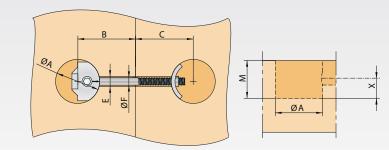
	Drilling depth M	Length	Х	ØA	В	С	Ø F	E
	20 mm	85 mm	9,5 mm	35 mm	33-44 mm	33-44 mm	6 mm	8 mm
Mounting:	Into pre-drilled hol	es and groove	s.				and and an	
Advantages:	Fast and easily insta cordless screwdrive	, ,	a 5 mm hex bi	t SW5 in conju	nction with			1
Installation:	Drilling machine, p	NC equipmen		1	C. C. C.	Story St		
Suitable materials:	For all solid wood and wood based papels				1.			
Application:	Board connector fo							

ZIPBOLT[™] 120

Joint connector for worktops \geq 22 mm

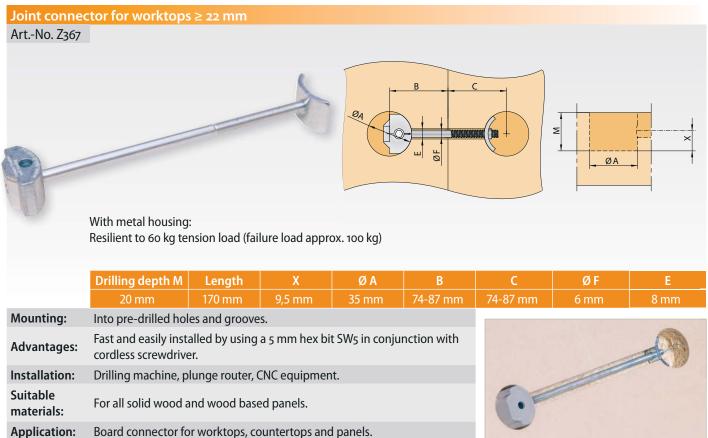
Art.-No. Z366





Drilling depth M Length ØΑ C ØF 120 mm 50-62 mm 50-62 mm Mounting: Into pre-drilled holes and grooves. Fast and easily installed by using a 5 mm hex bit SW5 in conjunction with Advantages: cordless screwdriver. Installation: Drilling machine, plunge router, CNC equipment. Suitable For all solid wood and wood based panels. materials: **Application:** Board connector for worktops, countertops and panels.

ZIPBOLT[™] 170

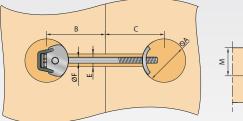


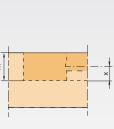
ZIPBOLT[™] 100 MINI

Joint connector for worktops ≥ 16 mm

Art.-No. Z355







23

With metal housing: Resilient to 60 kg tension load (failure load approx. 100 kg)

	Drilling depth M	Length	Х	ØA	В	C	ØF	E
	12,5 mm	100 mm	5,5 mm	25 mm	42-49 mm	42-49 mm	6 mm	10 mm
Mounting:	Into pre-drilled hol	les and groove	25.					
Advantages:	Fast and easily inst cordless screwdrive	, ,	a 4 mm hex b	it SW4 in conju	unction with			0
Installation:	Drill, hand router, 0	INC milling ma	achine and sta	ndard workto	p jig.			te,
Suitable materials:	For all solid wood and wood based panels.					6		
Application:	Panel connectors f	or straight but	t joints.					

KNAPP®-ADHESIVE

Polyurethane adhesive

ArtNo.	KNAPP®-ADHESIVE PU+ (Zo11)	KNAPP [®] -ADHESIVE PM+ (Zo10)		
Mounting:	The surfaces must be first dry and dust- ar	nd grease-free.		
Advantages:	Easy handling solvent-free 1-part polyurethane adhesive, water resistance Class D4 according to EN 204, formaldehyd free.	Easy handling solvent-free 1-part polyure- thane adhesive, with a viscous elastic adhesive gap, water resistance Class D4 according to EN 204, formaldehyd free.		
Installation:	KNAPP®-ADHESIVE PU+ is applied onto one of the parts to be bonded. Open time approx. 10 Min., pressing time approx. 45 Min., fully hardened after 24h, minimum temp. +7 °C, moisture content 8-18 %, adhesive sample recommended.			
Suitable materials:	All recommended KNAPP®-connectors, wood, various construction materials, ceramics, metals, thermo- and duro-setting plastics.	Various wood and construction materials, ceramics, metals, thermo- and duro-setting plastics, all recommended KNAPP [®] -connectors, especially for Treppo (staircase fixture).		
Application:	Furniture, window construction, for smooth surfaces.	For construction work with rough surfaces.		
Content:	310 ml	310 ml		



TREPPO



Ideal for:

KNAPP®-DOWEL miniKLICK



Concealed I Self-tightening I Demountable



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