



Connections for lightweight construction
Hettinject

Technik für Möbel


Hettich

Hettinject connections – make tomorrow's furniture lighter



Intelligent solutions connecting all components in a smoothly functioning system are essential in order to obtain freedom of design meeting future needs for lightweight furniture. Optimum furniture would be impossible without them. That is precisely the expectation we place on innovative Hettinject connecting technology for lightweight construction. Strength and stability can be planned and established at exactly that point of the lightweight board at which they are needed. Together with you and your ideas, we develop cost-efficient solutions for future furniture generations based on Hettinject. We are looking forward to that – for the future belongs to lightweight construction.



The benefits at a glance:

- High strength
- Tried-and-tested system
- Flexible positioning of the mounting points
- Same interfaces
- Concept that grows with production



www.hettinject.com

Hettinject connection system – Inspiration for a new furniture design



Fascinating furniture for living and working can be created with light materials. For lightweight boards are setting completely new standards in furniture construction and interior design. The innovative technology of Hettinject fittings permits outstanding designs. A potential with which new markets can be developed.

With lightweight construction, form and function can be implemented both individually and economically. This form of construction is particularly suitable for exhibitions, shopfittings and interior design, as well as in contract business. Transport and installation costs are reduced appreciably. Lightweight solutions for exhibition booths, shopfittings or wall elements for interior design can easily be realised in high-quality functional designs.

Atmospheric light shows are easily produced with lightweight construction. Spotlights or lighting strips can be integrated at any point in the furniture. The wiring is routed directly in the lightweight board where it is effectively invisible.





Large furniture items can be produced very much more easily with lightweight construction than was the case in the past. Shelves of impressive size and capable of bearing heavy loads are easily produced from frameless lightweight boards in combination with the invisible Hettinject VB insert. One advantage of using lightweight boards is that,

compared to conventional boards, a considerably larger span can be achieved without sagging. Even trendy shelf systems with thick side panels can be created without difficulty. Lightweight construction is also ideal for large sliding doors. The lower weight makes it possible to use lighter fittings. Less material – more design.

Hettich and the environment: committed to responsible practice, active protection, innovative thinking.



Hettich takes a responsibility for the world we live in. This awareness defines the strict policy of environmental management we practise. Our environmental officer has taken personal responsibility for these aspects throughout the company group over a period of many years. In addition, a separate environment committee has been established for each production site. We regard statutory provisions as minimum requirements. At significant sites we also implement the stringent EMAS Directive. And we drive forward developments that in future will help to save even more raw materials and support the necessary endeavours towards sustainability.



Hettich environmental management

Hettich started introducing effective environmental management systems under the stringent EMAS Regulation (currently: EC Regulation No. 761/2001, including EN ISO 14.001/2004) as long ago as 1996. This not only enables us to improve our environmental performance on a broad front but also achieve a high level of safety which, not least, also benefits our customers. This is why we also require our suppliers to meet the necessary minimum standards of environmental protection, industrial safety, health care and social welfare. The results achieved in the drawer-runner and drawer-system product segment at the Kirchlengern operation illustrate the impressive effects these measures have and verifiably demonstrate our tireless endeavours to translate words into action:

Relief to the environment between 1997 and 2008:

Specific water consumption:	56 per cent
Specific power consumption:	21 per cent
Specific heat consumption:	84 per cent
Specific CO ₂ emissions:	29 per cent



Hettich standard for product materials

Hettich underpins its commitment by applying an internal standard for product materials. This ensures that every product – from production to disposal – satisfies all environmental requirements. Products from Hettich come with a long life. Appropriately foresighted, our rigorous standards are formulated to ensure that international legislation is met as well. This provides a reliable basis for marketing furniture world-wide.



Zero-energy building – Hettich Forum

The Hettich Forum building with its neutral energy balance is a shining example of future-proof building design. Photovoltaic panels and solar collection system providing hot water as well as extensive roof greening and use of rain water underscore this building's overall sustainability concept in just the same way as the broad use of cellulose insulation material from recycled newspapers, highly efficient heat recovery and the bulb-free lighting concept do.

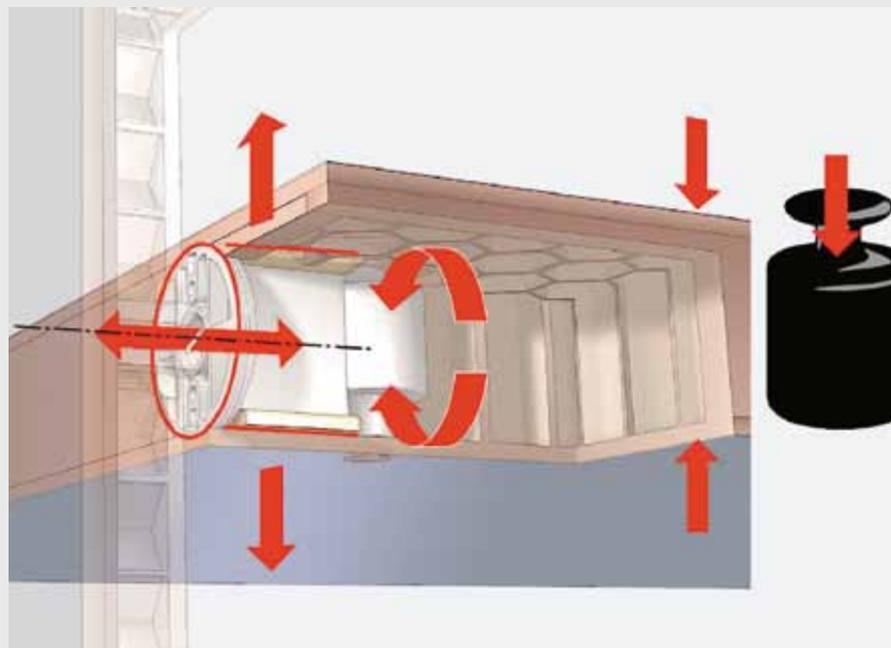
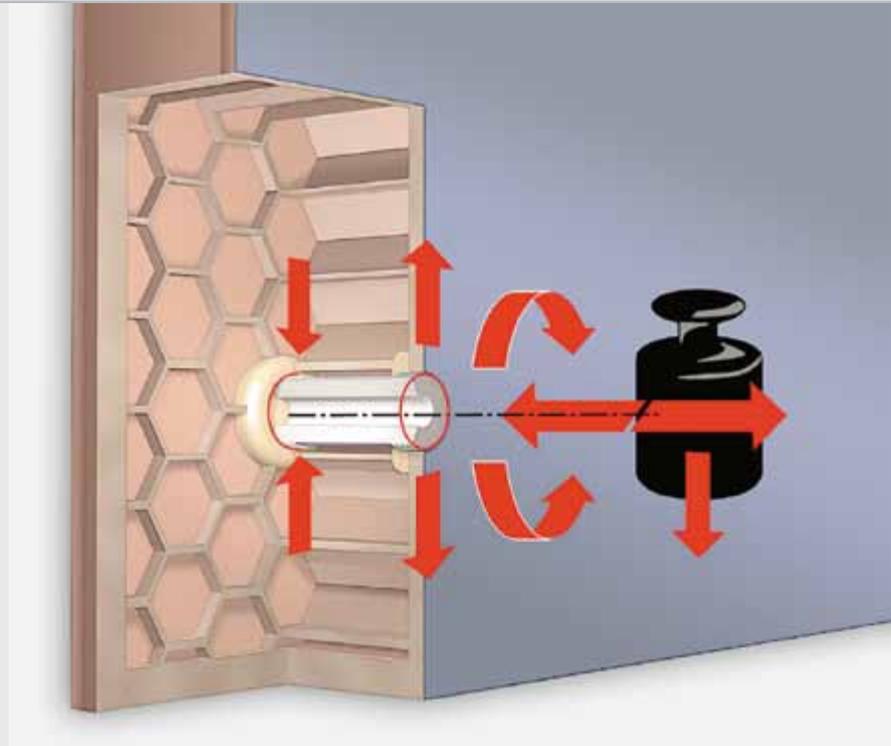
With the Hettich Group having acquired European Commission GreenBuilding Partner status on 5 March 2009, the comprehensive approach demonstrated by the Hettich Forum has also convinced the adjudicating panel of the national "Green Building Award 2009". Hettich received the first prize to be presented in the "New Building" category.



Hettinject – For any type of lightweight board

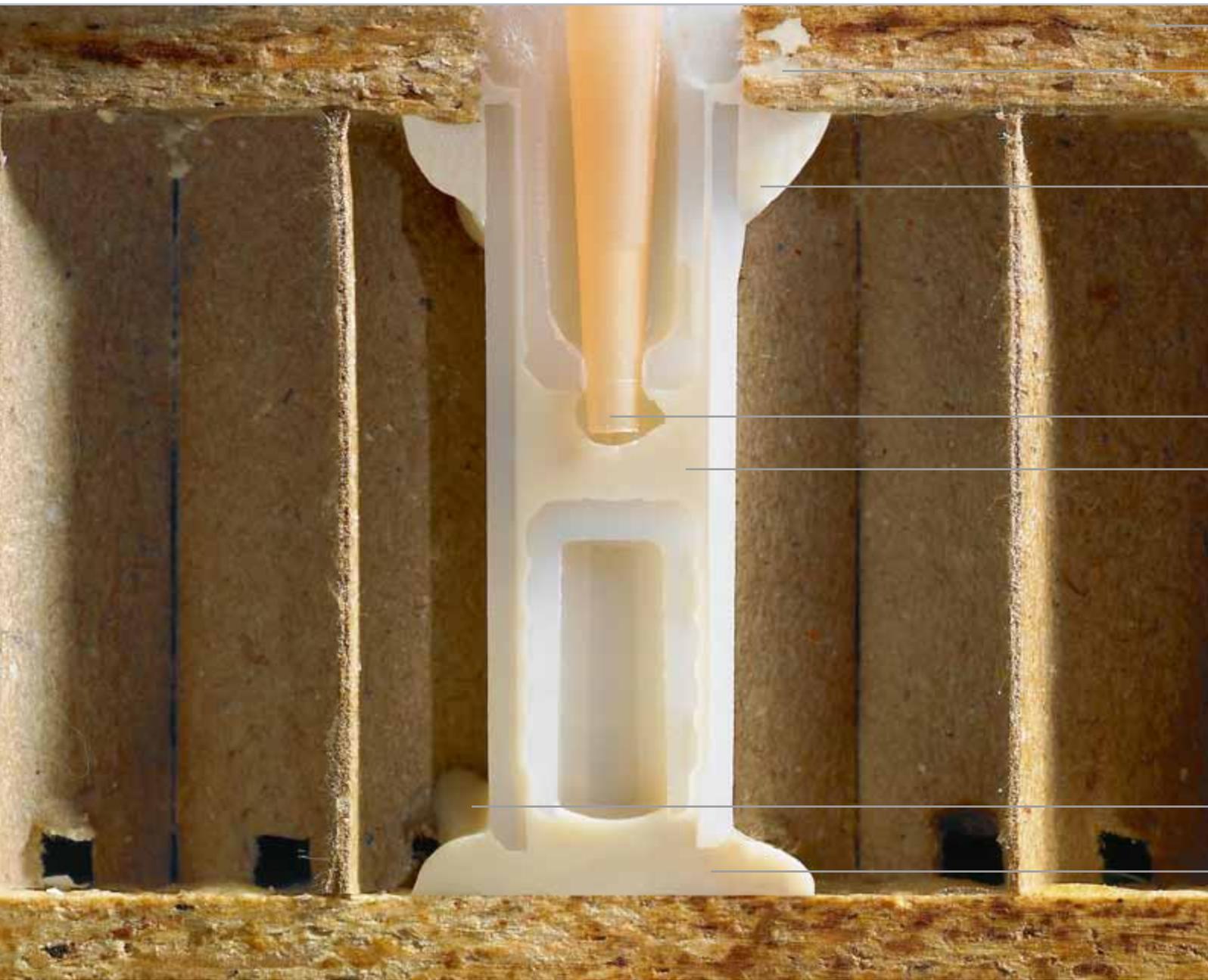
Hettinject offers unique systematic adaptability. The process can be adapted to the components used with total flexibility. A whole variety of glues can be used with Hettinject, depending on the application, processing and cycle time. The glued dowels can also be fitted in various middle layers in a variety of ways, whether foamed, with honeycomb structure or of solid material.

A key benefit: the Hettinject glued dowel ensures maximum strength and stability, even in lightweight boards with very thin face layer.



Dynamic loading in the furniture makes it necessary to connect both face layers with one another. Various forces acting on the board are absorbed directly via the Hettinject.

The Hettinject glued dowel – Insert standard fittings at any point on the surface



The Hettinject glued dowel guides the glue to the upper and lower face layers via flow channels. This produces a three-dimensional structure similar to a supporting system connecting the face layers. The result is a highly stable structure capable of absorbing tensile forces as well as compressive forces. Even lightweight boards with very thin face layers (< 4 mm) can be processed reliably. Cycle times are short, as little glue is required. The curing time can be selected individually, depending on the glue used.

Face layer

Defects in the face layer due to chipping while drilling are automatically filled with glue.

Glue applied over a large area



Hettinject can also be used in solid materials, such as balsa, foamed middle layers, boards with pegged profile and boards of or with metal.

Filling with glue

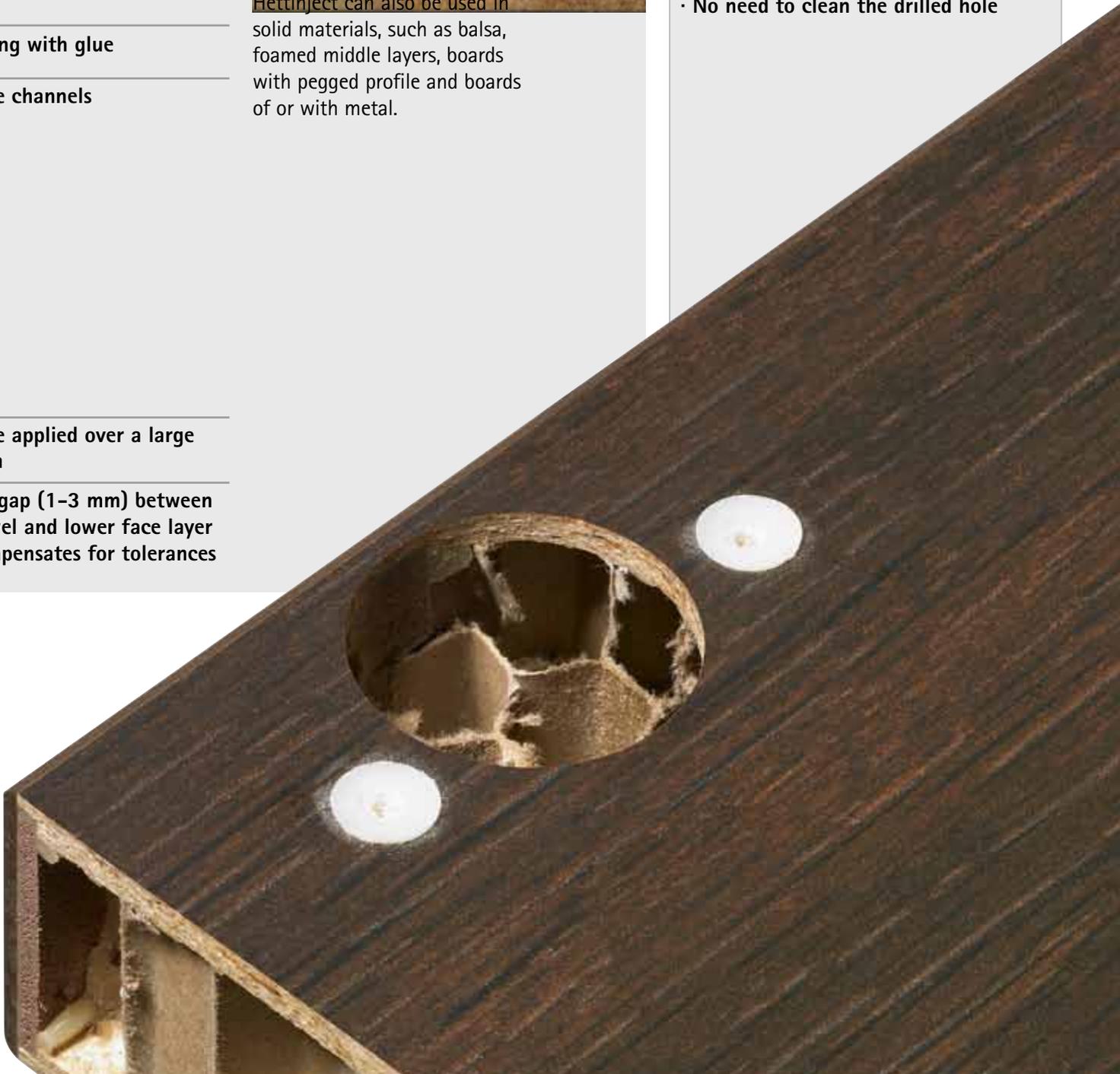
Glue channels

Glue applied over a large area

Air gap (1–3 mm) between dowel and lower face layer compensates for tolerances

The benefits at a glance:

- Maximum stability
- Flexible positioning
- Maximum process control
- Permits use of different glues
- Glues can be metered individually
- Available for very thin boards and face layers
- Compensates tolerances
- No working on the lower face layer
- No need to clean the drilled hole



Hettinject VB insert – The invisible fitting



The totally concealed VB insert connects size 38 or 50 lightweight boards with 4 mm thick face layers. A hole drilled into the end face is all that is needed for its use, thus saving time in relation to surface cutting. The glue for the VB insert is applied at two points from which it simultaneously flows through special glue channels to both face layers, securing the fitting. Ideal distribution of forces ensures that the finished product can withstand heavy loads.

Face layer

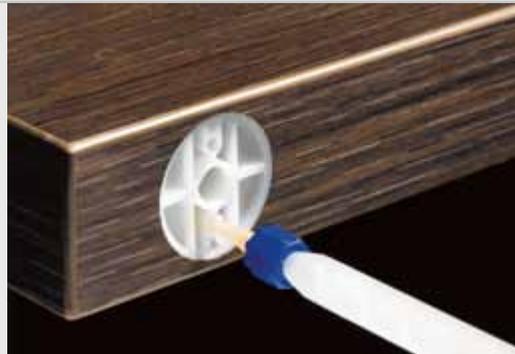
Glue applied over
a large area

Glue channels

Filling with glue

Dust or dirt cannot
impair functioning of
the totally enclosed
eccentric.

Glue applied over
a large area



The fitting is inserted at any desired attachment point from the front and can be operated from both sides.

The benefits at a glance:

- Invisible
- Simple drilling
- Can be operated from both sides
- Can be combined with Twister dowels
- High strength permits constructions without rear panel
- Can also be fitted in frames or solid material
- Saves time



Hettinject –

The standard for production in controlled processes



1. Drill a hole in the lightweight board



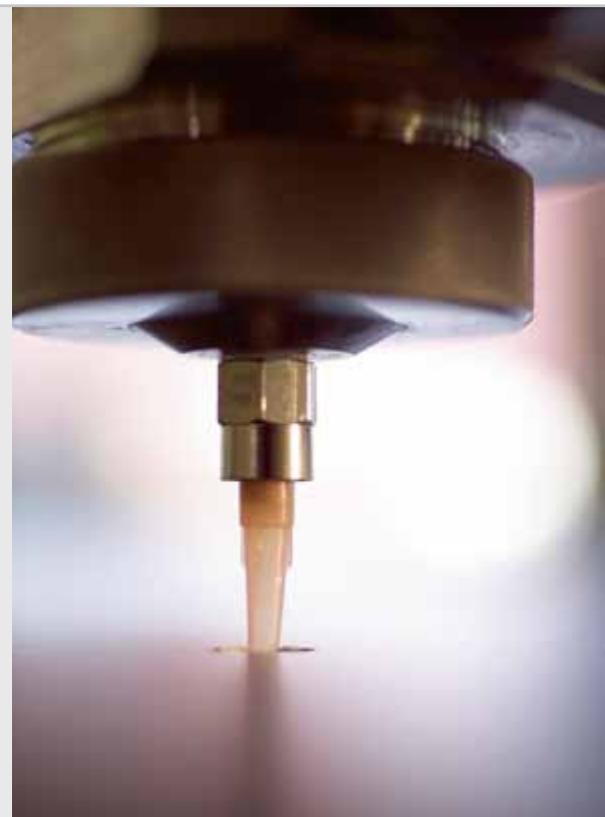
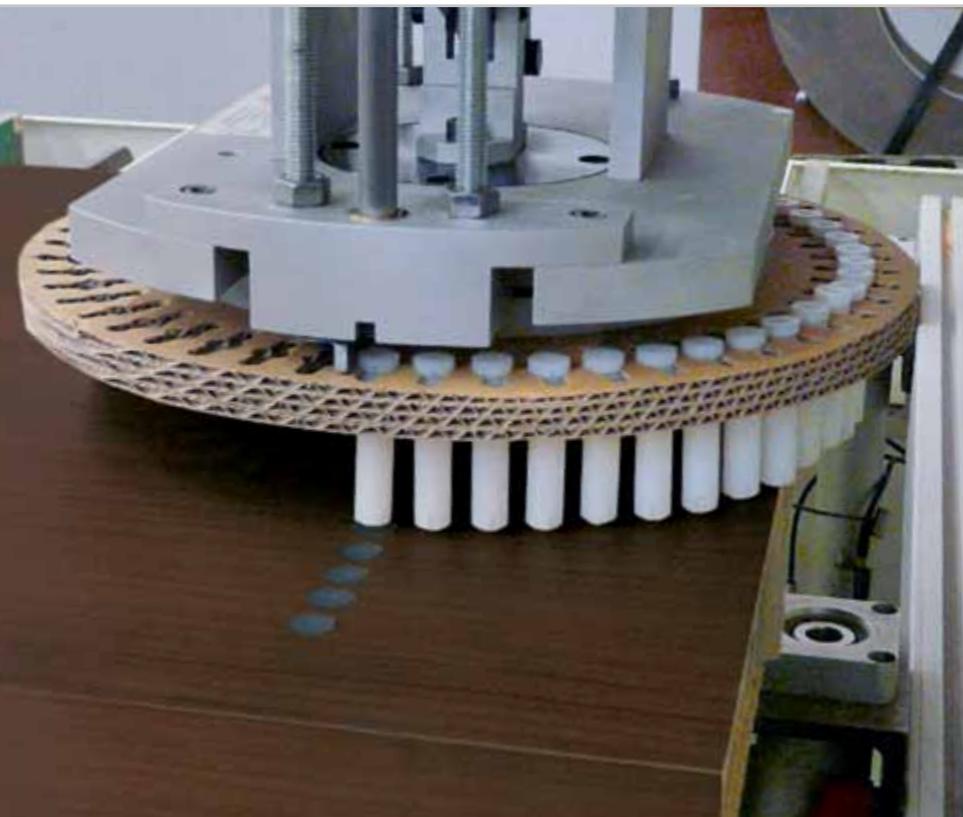
2. Fitting the Hettinject and simultaneously glueing the dowel



3. The glue bonds the chips and dowel to the face layers and honey-comb structure over a large area.



The processing sequence is identical when using the insert connecting fitting.



Existing CNC machines can easily be upgraded via aggregates. Dowel magazines and automatic application of the glue ensure a reliably controlled process.

Hettich provides the dowels in a magazine special designed for this purpose.

Hettinject supplies a growing concept with future potential for processing – a concept permitting maximum flexibility combined with reliable process control in production. The entire process is easily implemented in any process chain, from manual processing, upgrading individual machine tools in CNC production to all-automatic production and complete concepts throughfeed productions.

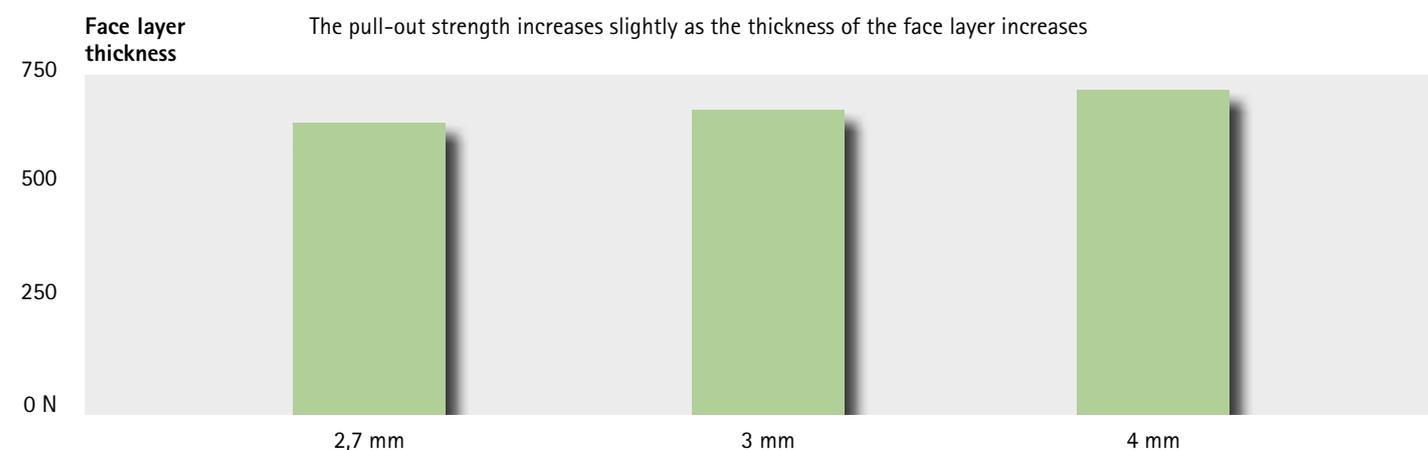
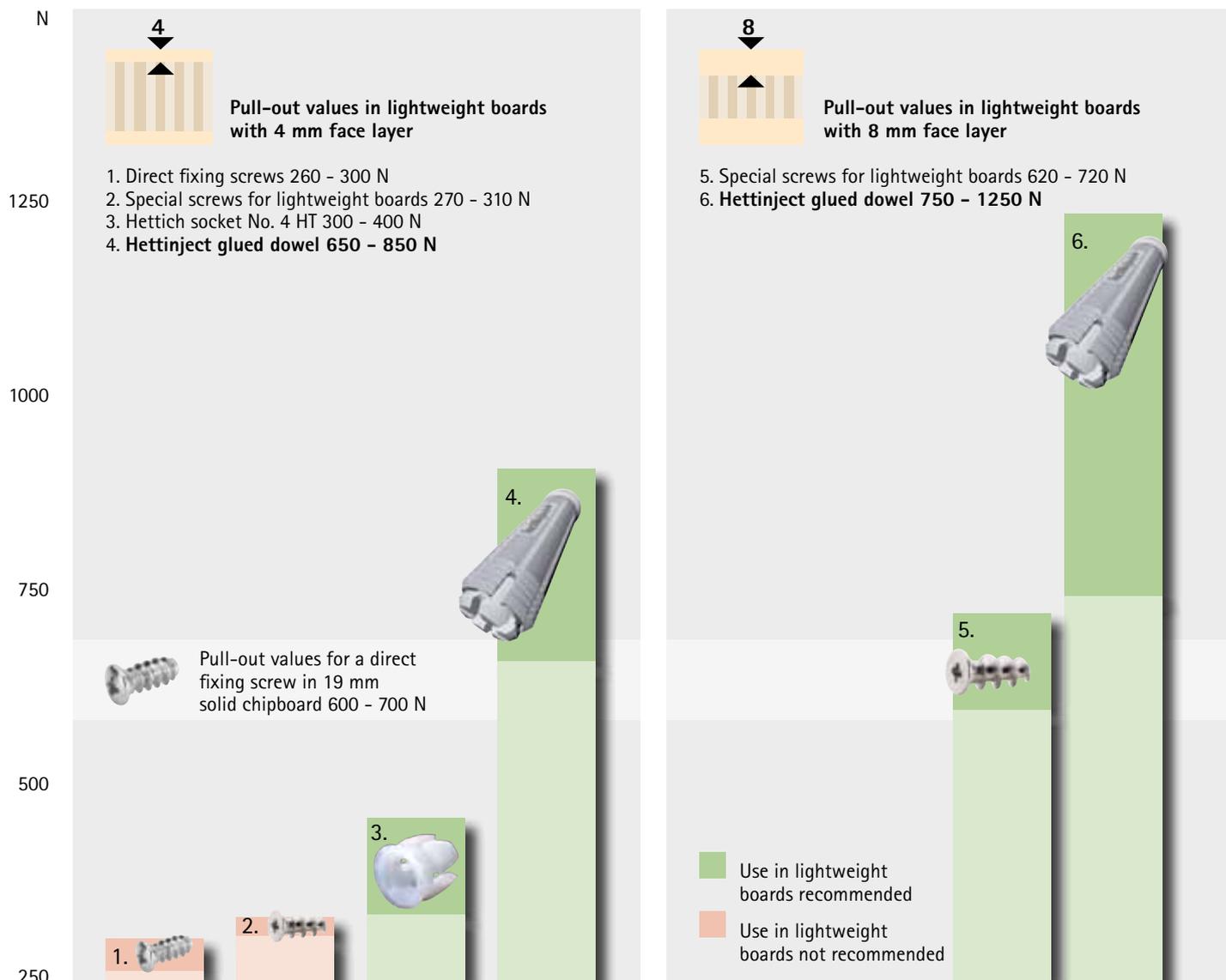


Existing machine concepts allow glued dowels and front connectors to be processed automatically. Even throughfeed processing can be realised.

The benefits at a glance:

- **Reliable, quick, for controlled processes**
- **Concept that grows with production**
- **Manual, aggregates, fully automatic processing**
- **Based on an unchanging interface**

Hettinject – outstanding in tests and in practice



Pull-out strength was determined in tests using honeycomb board with face layers of chipboard to DIN EN 312 and bulk density to DIN EN 3323. The pull-out values of the connectors can be strongly influenced by the type and quality of the lightweight boards used as well as by the processing tolerances. The suitability of the selected connectors must therefore be checked in every individual case.

Specification of lightweight boards available in the market



without frame
<8 mm face layer



with frame
<8 mm face layer



without frame
>8 mm face layer

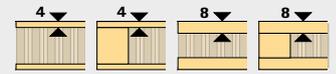


with frame
>8 mm face layer

Fitting	without frame				
	4 mm face layer	4 mm + Hettinject	4 mm + socket No. 4 HT	8 mm face layer	8 mm + Hettinject
Connecting fittings	VB 18 / 20 D / 19 / 21 D			×	
	VB 35 / VB 35 M			×	
	VB 36 / 36 M / 36 HT / 36 HT M	×		×	
	Hettinject VB insert	×		×	
	Toolex VB 54		×	×	
	Trapezoidal fittings		×	×	
	Shelf support Sekura / 30 kg	×		×	
	Rear-panel connector			×	×
Screw-in dowel for VB	×	×		×	×
Wardrobe rail supports		×	×	×	×
Hinges					
Intermat	(Wood) screws D3.5 / D4.0		×	×	×
	Euro screw D6.3 (direct fixing screw)		×	×	×
Ecomat	(Wood) screws D3.5 / D4.0		×	×	×
	Sockets D10 (incl. fast assembly Flash)			×	
	Socket D8			×	
	without tools (Fix)			×	
	Euro screw D6.3 (direct fixing screw)		×	×	×
SlideOn	(Wood) screws D3.5 / D4.0		×	×	×
	Socket D10			×	
	Euro screw D6.3 (TBS)		×	×	×
Minimat	(Wood) screws D3.5 / D4.0		×	×	×
	Socket D8			×	
	Euro screw D6.3 (TBS)		×	×	×
Mounting plate	(Wood) screws D3.5 / D4.0 / D4.5		×		×
	Euro screw D6.3 (direct fixing screw)		×	×	×
	Flexible washer and moulded-on socket D5 / D10			×	
	Press-in washer and moulded-on socket D10			×	
Drawer runners	Quadro 25		×	×	×
	Quadro V6 / V6+ / V8		×	×	×
	KA 1730		×	×	×
Folding and sliding doors	TopLine 22 / 27		×		×
	TopLine 110 – door side		×		×
	InLine		×		×
	SlideLine 66 – door side		×		×
	HorizonSynchro		×		×
	Wingline 770 / 780 / 26		×		×

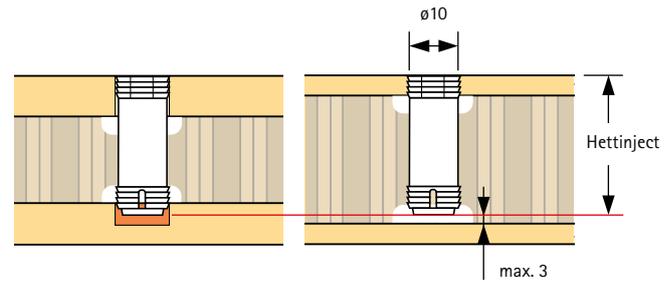
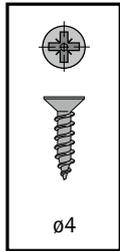
* Used for Hettinject dowels with D5 mm screw slots

The load capacity is determined by the quality of the lightweight panels used. Refer to information on p. 16 for pull-out strengths.

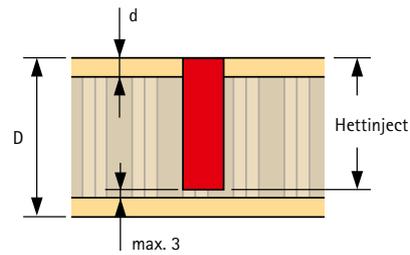


Hettinject dowels

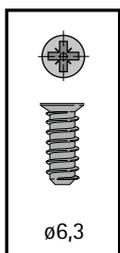
Flexible positioning of the attachment point for conventional fittings



Article	Length mm	Ø mm	Order no.	PU
Hettinject	13	D3	On request	
	15	D3	9 066 657	200
	20	D3	9 066 397	200
	25	D3	9 066 404	200
	27	D3	9 066 406	200
	33	D3	9 066 407	200
	41	D3	9 083 492	200
	45	D3	9 066 409	200



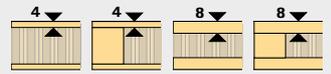
$$D - d - \text{max. 3} \approx \text{Hettinject}$$



Article	Length mm	Ø mm	Order no.	PU
Hettinject	33	D5	9 083 488	200
	41	D5	9 083 493	200
	45	D5	9 083 490	200

The load capacity is determined by the quality of the lightweight panels used. Refer to information on p. 16 for pull-out strengths.

Hettinject connection system



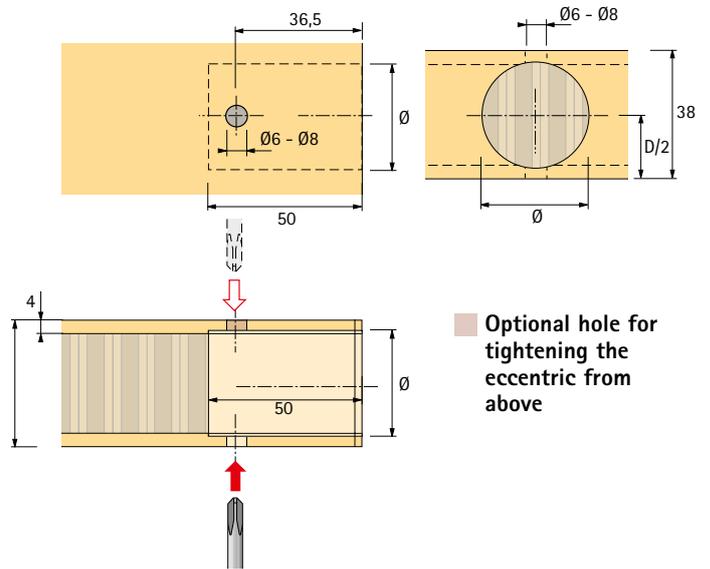
Hettinject VB insert 38/50

Advantages:

- Invisible
- Particularly high strength
- Tried-and-tested Hettinject attachment principle (same technology)

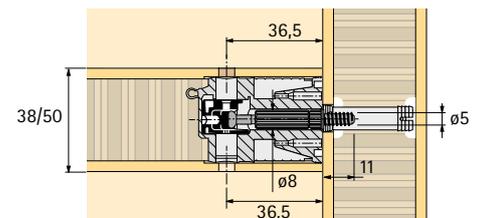
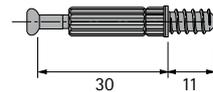
Article

Drilling pattern

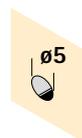


Article	Ø mm	Order no.	PU
Hettinject VB insert 38	32	9 097 989	200
Hettinject VB insert 50	44	9 097 991	200

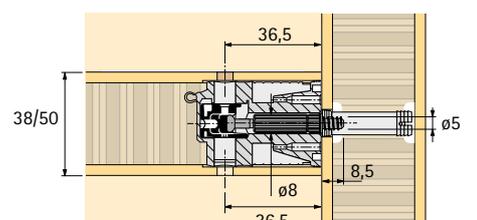
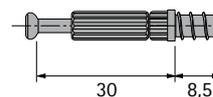
Hettich Twister screw-in dowel DU 232 T
Direct fixing thread for 5 mm drill-hole diameter, steel/plastic



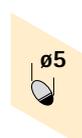
Article	Finish	Order no.	PU
Hettich Twister DU 232 T	galvanized	9 047 861	2000
	self-colour	9 047 644	2000



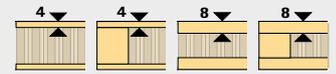
Hettich Twister screw-in dowel DU 320 T
Direct fixing thread for 5 mm drill-hole diameter, steel/plastic



Article	Finish	Order no.	PU
Hettich Twister DU 320 T	galvanized	9 047 978	2000
	self-colour	9 047 976	2000



The load capacity is determined by the quality of the lightweight panels used. Refer to information on p. 16 for pull-out strengths.



Hettinject Titan 50

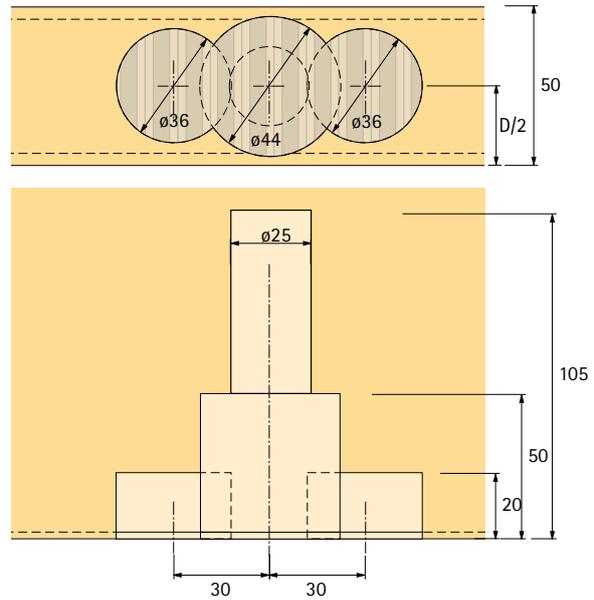
Benefits:

- Invisible
- Drilling permits quick work
- Side adjustment
- Height adjustment
- Adjustment of shelf slope
- Higher loading capacity

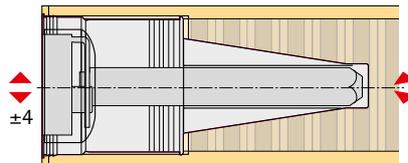
Article



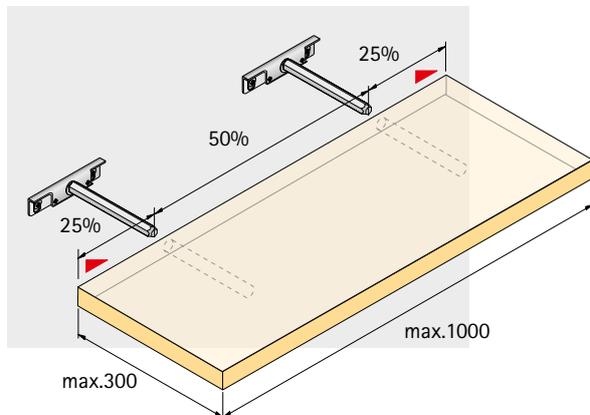
Drilling pattern



Article	Order no.	PU
Hettinject Titan 50	9 127 038	100



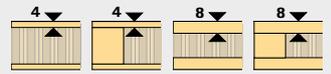
Max. load-bearing capacity 9 kg



Article	Order no.	PU
Shelf supports Titan	1 001 167	100

The load capacity is determined by the quality of the lightweight panels used. Refer to information on p. 16 for pull-out strengths.

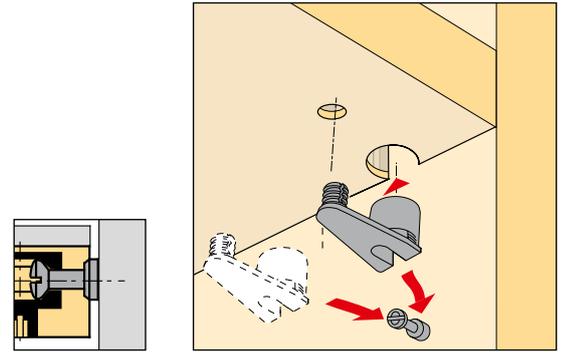
Cam fittings



VB 36

- Small connecting fittings for sturdy, positive-fitting and friction-locked connections between shelves and side panels based on the proven eccentric latching principle.
- The connecting fittings are equipped with torque support. Furniture sides can be pulled in even from a distance of 2 mm.
- The fitting is pressed into a double hole with 32 mm drilling distance. Entry holes with $\varnothing 20$ and 10 mm.
- The eccentric can also be tightened in the bottom panel from above. A through hole is required in the panel for this purpose.
- Stopper for open position when dismantling.

Fit shelf from above or from front



Article

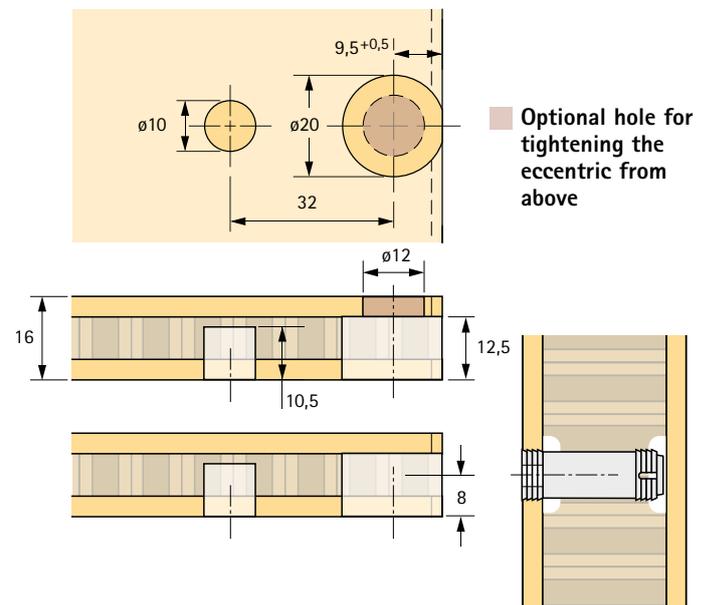
Drilling pattern

Connecting fitting VB 36/16 for 16 mm shelves



Article	Material	Finish	Order no.	PU
VB 36 D/16	die-cast zinc	nickel-plated	1 019 494	250
VB 36/16	plastic	white	1 019 485	500
		brown	1 019 486	500
		black	1 079 648	500

Shelf

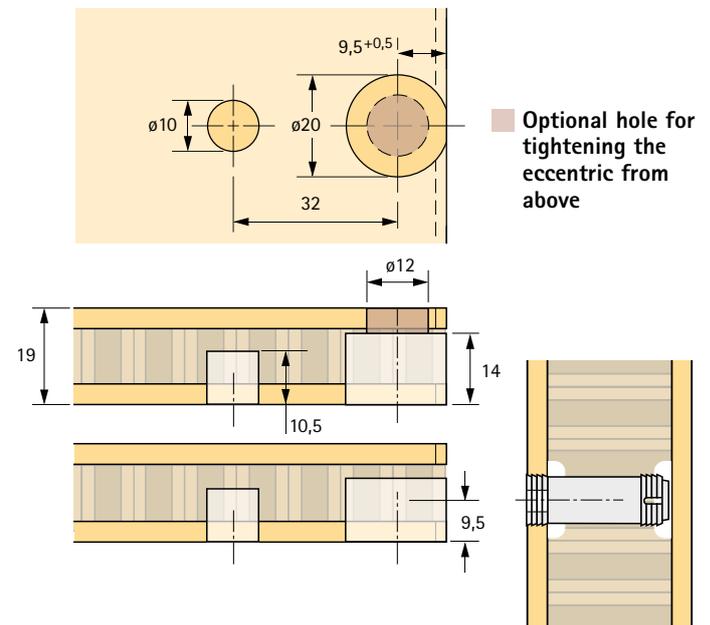


Connecting fitting VB 36/19 for 19 mm shelves



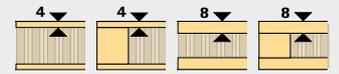
Article	Material	Finish	Order no.	PU
VB 36 D/19	die-cast zinc	nickel-plated	1 019 495	250
VB 36/19	plastic	white	1 019 487	500
		brown	1 019 694	500
		black	1 079 649	500

Shelf



The load capacity is determined by the quality of the panel used.

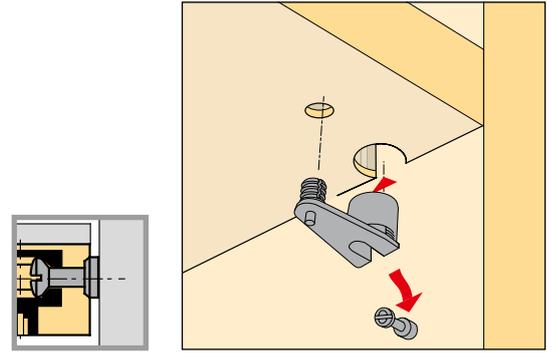
Cam fittings



VB 36 M

- Small connecting fittings for sturdy, positive-fitting and friction-locked connections between shelves and side panels based on the proven eccentric latching principle.
- The connecting fittings are equipped with torque support. Furniture sides can be pulled in even from a distance of 2 mm.
- The fitting is pressed into a double hole with 32 mm drilling distance. Entry holes with $\varnothing 20$ and 10 mm.
- The eccentric can also be tightened in the bottom panel from above. A through hole is required in the panel for this purpose.
- Stopper for open position when dismantling.

Fit shelf from above. Mounting aid when fitting the shelves.



Article

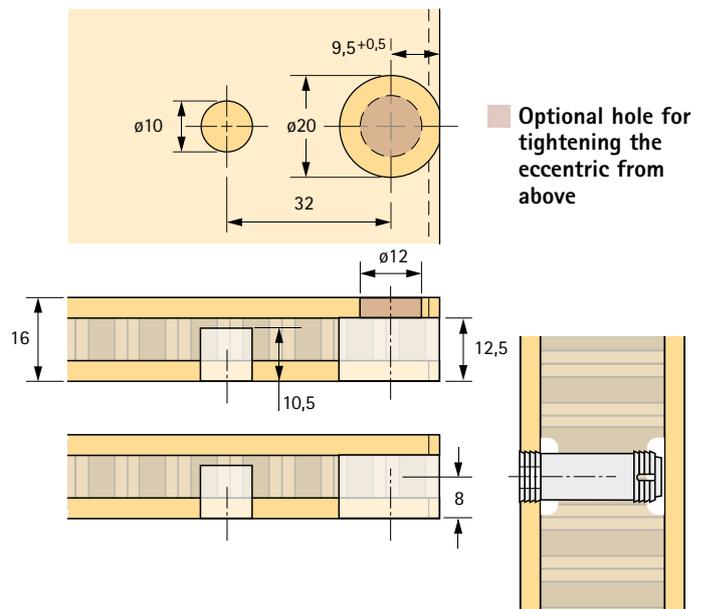
Drilling pattern

Connecting fitting VB 36 M/16 for 16 mm shelves



Article	Material	Finish	Order no.	PU
VB 36 MD/16	die-cast zinc	nickel-plated	1 019 492	500
VB 36 M/16	plastic	white	1 019 482	1000
		brown	1 019 483	1000
		black	1 079 650	1000

Shelf

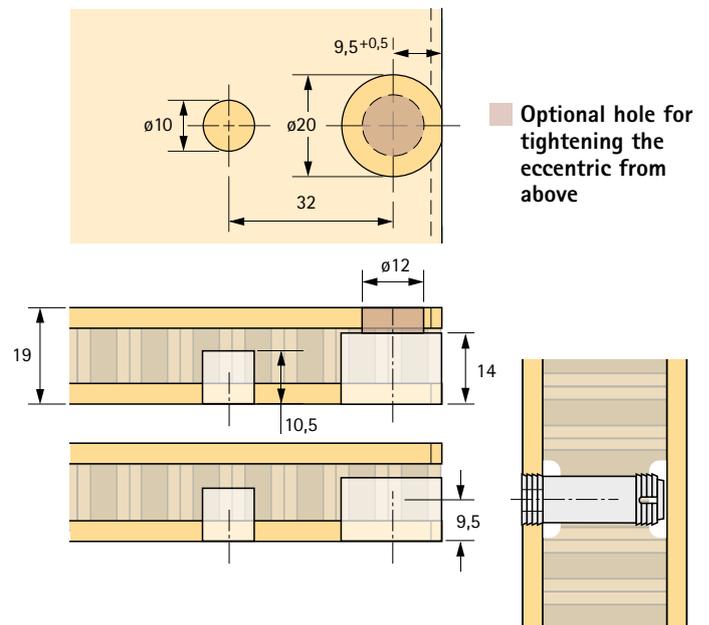


Connecting fitting VB 36 M/19 for 19 mm shelves

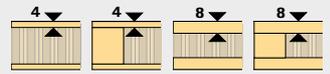


Article	Material	Finish	Order no.	PU
VB 36 MD/19	die-cast zinc	nickel-plated	1 019 493	250
VB 36 M/19	plastic	white	1 019 484	500
		brown	1 019 693	500
		black	1 079 646	500

Shelf

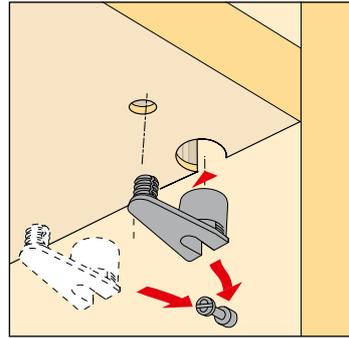


The load capacity is determined by the quality of the panel used.



VB 36 HT 38

- Furniture connector with expanding housing
- Suitable for use with face layers of more than 3 mm
- Expanding dowel prevents twisting when tightening
- Knock-in pin increases expanding action
- With optional rib as mounting aid
- Torque support through tried-and-tested eccentric latching principle

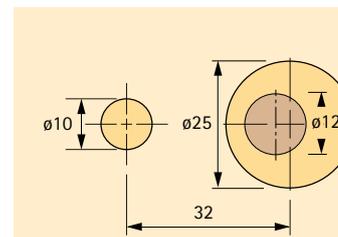


Article

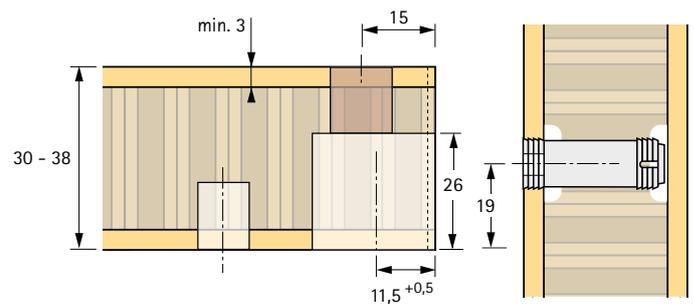
Drilling pattern

Connecting fitting VB 36 HT 38

for 30, 32 and 38 mm board thickness



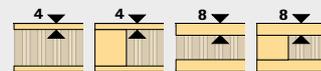
Optional hole for tightening the eccentric from above



Article	Version	Finish	Order no.	PU
VB 36 HT 38	with rib	black	9 066 389	200
		grey	9 066 864	200
		brown	9 078 237	200
		white	9 078 236	200

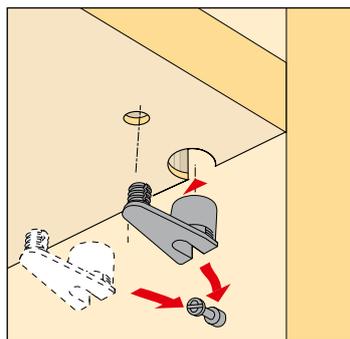
Article	Version	Finish	Order no.	PU
VB 36 HT 38	without rib	black	9 066 388	200
		grey	9 066 865	200
		brown	9 078 233	200
		white	9 078 232	200

The load capacity is determined by the quality of the panel used.



VB 36 HT 50

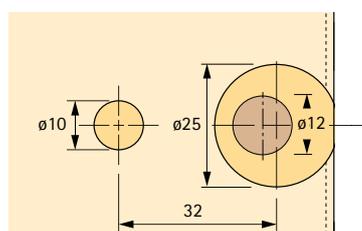
- Furniture connector with expanding housing
- Suitable for use with face layers of more than 3 mm
- Expanding dowel prevents twisting when tightening
- Knock-in pin increases expanding action
- With optional rib as mounting aid
- Torque support through tried-and-tested eccentric latching principle



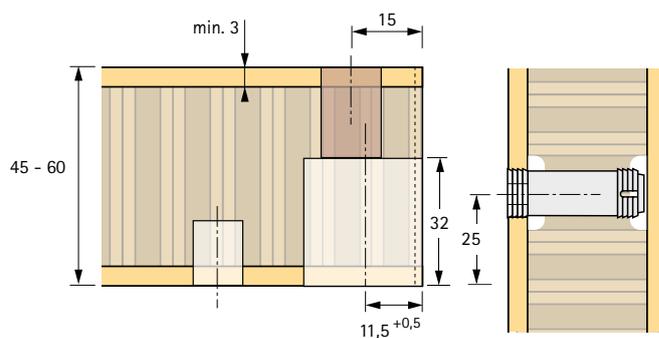
Article

Drilling pattern

Connecting fitting VB 36 HT 50
for 45, 50 and 60 mm board thickness



Optional hole for tightening the eccentric from above



Article	Version	Finish	Order no.	PU
VB 36 HT 50	with rib	black	9 066 391	200
		grey	9 066 867	200
		brown	9 078 246	200
		white	9 078 245	200

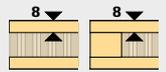
Article	Version	Finish	Order no.	PU
VB 36 HT 50	without rib	black	9 066 390	200
		grey	9 066 868	200
		brown	9 078 249	200
		white	9 078 248	200

Cover cap for VB 36 HT 38 and VB 36 HT 50



Article	Finish	Order no.	PU
Cover cap VB 36 HT	black	9 081 302	200

The load capacity is determined by the quality of the panel used.



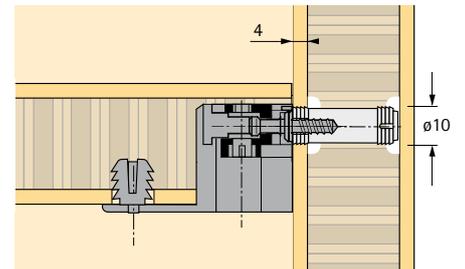
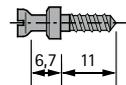
Screw-in dowel for
VB 36/36 M
VB 36 HT

Article

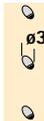
Drilling pattern

Screw-in dowel DU 328

Direct fixing thread for
Hettinject screw hole \varnothing 3 mm,
galvanized steel

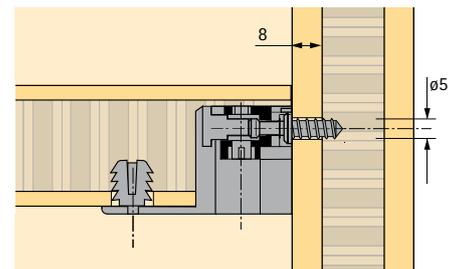
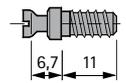


Article	Order no.	PU
Screw-in dowel DU 328	9 039 822	5000



Screw-in dowel DU 321

Direct fixing thread for drilling \varnothing 5 mm,
galvanized steel

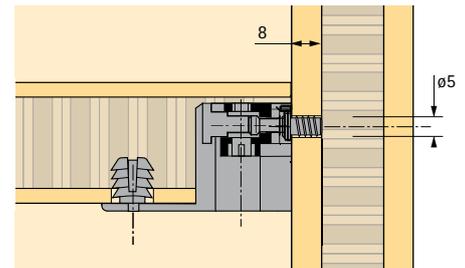
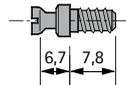


Article	Order no.	PU
Screw-in dowel DU 321	9 021 847	5000



Screw-in dowel DU 322

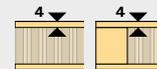
Direct fixing thread for drilling \varnothing 5 mm,
galvanized steel



Article	Order no.	PU
Screw-in dowel DU 322	9 022 370	5000



The load capacity is determined by the quality of the panel used.



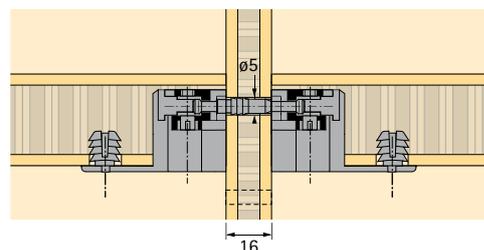
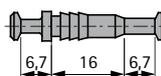
Double dowel for
VB 36/36 M
VB 36 HT

Article

Double dowel DU 712
for size 16 centre support,
drilling \varnothing 5 mm,
steel self-colour

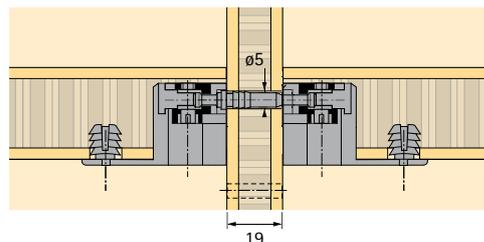
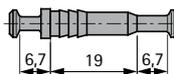
Article	Order no.	PU
Double dowel DU 712	1 019 462	1000

Drilling pattern

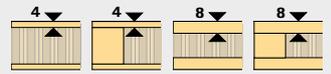


Double dowel DU 867
for size 19 centre support,
drilling \varnothing 5 mm,
steel self-colour

Article	Order no.	PU
Double dowel DU 867	1 019 463	1000



The load capacity is determined by the quality of the panel used.



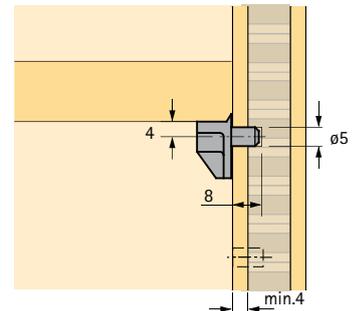
Article

Drilling pattern

Shelf support Safety

Steel pin with plastic mount

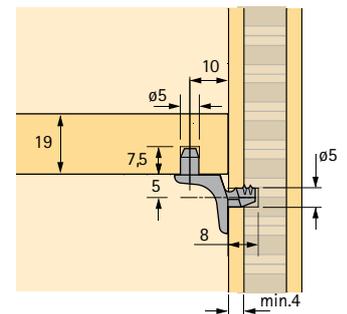
Pin ø	Finish	Order no.	PU
5 mm	white	1 004 831	4000
	translucent	1 005 655	4000



Shelf support Sekura 1.1

Pin ø 5 mm
1 additional pin
for shelf
die-cast zinc

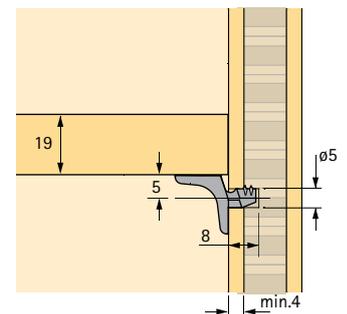
Pin ø	Finish	Order no.	PU
Sekura 1.1	nickel-plated	9 010 110	1000



Shelf support Sekura 2.1

Pin ø 5 mm
die-cast zinc

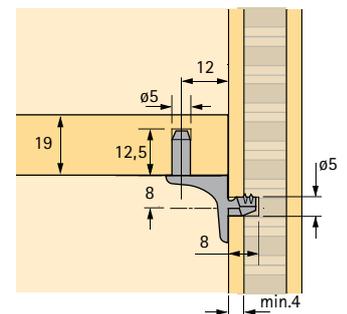
Pin ø	Finish	Order no.	PU
Sekura 2.1	nickel-plated	9 010 111	1000



Shelf support Sekura 6

Pin ø 5 mm
1 additional pin
for shelf
die-cast zinc

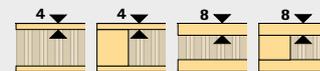
Pin ø	Finish	Order no.	PU
Sekura 6	nickel-plated	9 005 558	500



The load capacity is determined by the quality of the panel used.

Shelf supports

Expanding socket for honeycomb board



Article

Drilling pattern

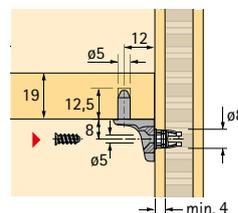
Sekura 7

- ① Hole \varnothing 5 mm for direct fixing screw \varnothing 6.3 mm
- ② Hole \varnothing 3 mm for countersunk screw \varnothing 4 mm plus 1 additional pin each for shelf die-cast zinc

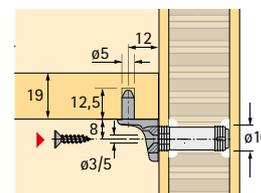
Hole \varnothing	Finish	Order no.	PU
5 mm	nickel-plated	1 011 027	1000
3 mm	nickel-plated	1 006 977	1000



① Socket 4 HT



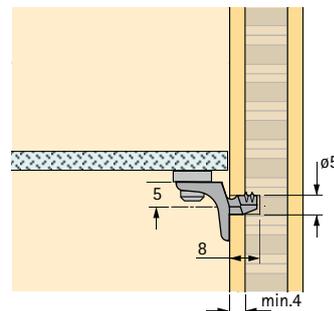
② Hettinject dowel



Sekura 8

Pin \varnothing 5 mm
with glass shelf support
die-cast zinc/transparent

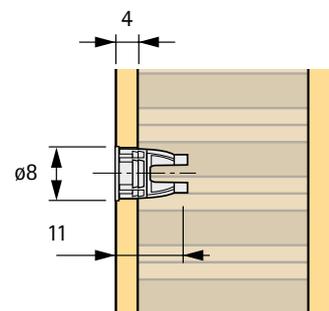
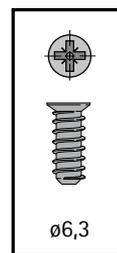
Article	Finish	Order no.	PU
Sekura 8	nickel-plated	1 010 564	2000



Expanding socket No. 4 HT for thread

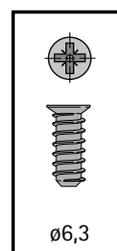
for drilling \varnothing 8 mm,
suitable for:
- 3 and 4 mm face layers
- low loads,
e.g. shelf supports
and wardrobe rail supports

Article	Order no.	PU
Expanding socket No. 4 HT	9 066 392	5000



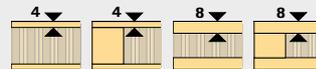
Direct fixing screws

Article	Length	Order no.	PU
Screw for direct fixing	6.3 x 11 mm	1 004 991	1000
	6.3 x 11 mm	1 004 992	1000
	6.3 x 11 mm	1 005 974	1000



The load capacity is determined by the quality of the panel used.

Rear-panel connector



RV 1 | RV 3

Article

Rear panel connector RV 1

A sturdy fitting, suitable for mounting in hole lines with a hole diameter of 5 mm. The fitting pulls the rear panel against the cabinet side.

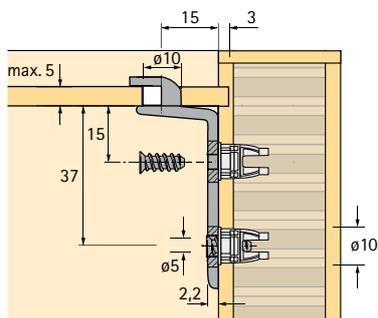
Die-cast zinc

Screws for direct fixing

in \varnothing 5 mm holes, Pozidrive head with raised head



Drilling pattern



Direct fixing screws for RV 1

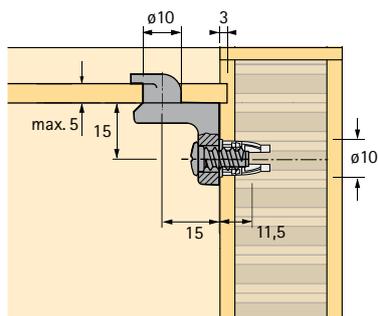


Article	Finish	Order no.	PU
RV 1	nickel-plated	1 0753 95	250
RV 1	nickel-plated	1 079 065	250
with direct fixing screw for 28 or 37 LR			

Article	Length	Order no.	PU
Screw for	6.3 x 11 mm	1 004 991	1000
direct fixing	6.3 x 13 mm	1 004 992	1000
	6.3 x 15 mm	1 005 974	1000

Rear panel connector RV 3

Small fitting of plastic or die-cast zinc. Oblong hole compensates drilling tolerances.



Direct fixing screws for RV 3



Article	Finish	Order no.	PU
RV 3 die-cast zinc	nickel-plated	1 006 505	500
RV 3 plastic	white	1 004 850	1000
	brown	1 004 851	1000

Article	Length	Order no.	PU
Screw for	6.3 x 11 mm	1 004 991	1000
direct fixing	6.3 x 13 mm	1 004 992	1000
	6.3 x 15 mm	1 005 974	1000

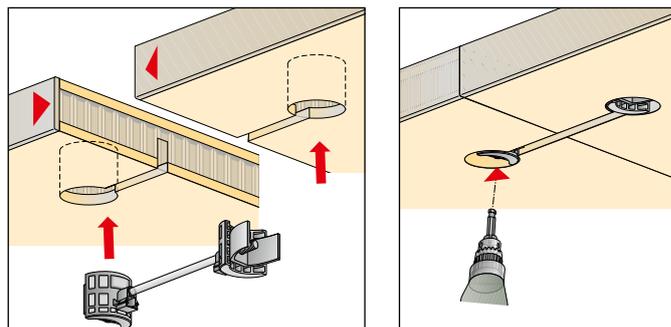
The load capacity is determined by the quality of the panel used.

Worktop connector

AVB HT

Advantages:

- For sturdy, positive-fitting and friction-locked connections between lightweight worktops
- A 90° angle gear with hexagon socket integrated in the plastic housing permits fast, convenient bracing with cordless screwdriver
- Steel chromated/black plastic

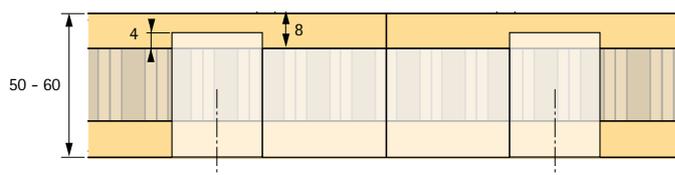
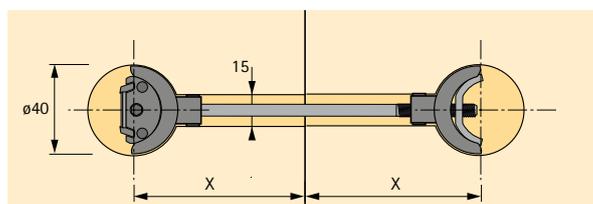


Article

Worktop connector for 50 mm board thickness



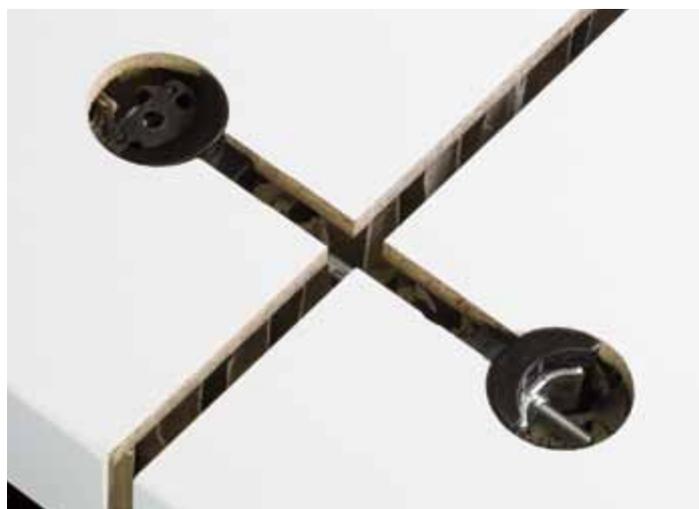
Drilling pattern



Article	Length	Value X	Order no.	PU
AVB HT	65 mm	33-44	9 079 567	20
	100 mm	49-61	9 079 570	20
	150 mm	75-86	9 079 571	20

Worktop connector for 60 mm board thickness

Article	Length	Value X	Order no.	PU
AVB HT	65 mm	33-44 mm	9 080 216	20
	100 mm	49-61 mm	9 080 217	20
	150 mm	75-86 mm	9 080 218	20



The load capacity is determined by the quality of the panel used.

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Technik für Möbel


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