



As an Austrian manufacturer of patented connecting systems, KNAPP® develops and produces high-quality products and markets these globally.

Not only will our connecting systems most certainly satisfy your needs – the numerous possibilities opened to you when using our connecting systems will spark your enthusiasm. Our comprehensive service offers you the possibility of discovering efficient and innovative solutions for the implementation of your projects.



Connecting your ideas ...

Concealed | Self-tightening | Demountable

QUATRO 65, Z-DECK, Eb-Ty®

Concealed connecting systems for decks, boards and wall panels indoors as well as outdoors

- Do you value an attractive surface? For this reason, you should use a concealed connecting system for your timber deck.
- Demanding clients desire alternatives to conventional, standard decks.
- KNAPP® offers you systems for optically-flawless decks, boat docks and wall panels.



QUATRO 65



Eb-Ty® LC

Concealed Connecting Systems

for Decks, Boards and Wall Panels for indoors and outdoors

Country house "Am Dünenweg" | Wilkening (Germany)
© www.weidner-bfwf.de



Connecting your ideas ...

QUATRO 65

The deck board and panel connector

Recommended for spacing no smaller than 7 mm

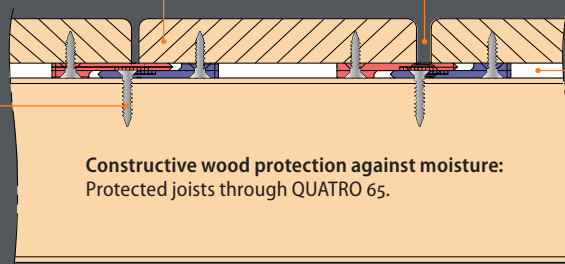


CS-screw
with cut-point

Board thickness starting at 24 mm

Continuous joint width

9 mm rear
ventilation gap



Constructive wood protection against moisture:
Protected joists through QUATRO 65.



Stainless steel CS-screw A2
5x25 mm with cut-point for board
thicknesses starting at 24-26 mm



Stainless steel CS-screw A2
5x30 mm with cut-point for a board
thickness starting at 27 mm

- Concealed from the first board to the last
- Constructive wood protection against moisture
- Optimal rear ventilation through spacing between the boards and the joists
- Also for timber façades and formwork for which rear ventilation has been implemented
- Easy installation with mounting templates
- Connection allows expansion and contraction
- UV and weather-resistant plastic

Requirements for decks

Board thickness	Connector / m ²	m ² / packaging unit
150 mm	approx. 17 pairs	6 m ²
100 mm	approx. 25 pairs	4 m ²

(For joist spacing of 500 mm)

Tips:

- Even the best connecting system cannot offset the poor quality of some timber. Please ensure that the timber is dry and in particular avoid timber from the core and spiral-grained boards.
- Recommended length of the boards: maximum 3 m.
- Pre-drill, particularly with hardwoods, such as oak.
- Follow the installation instructions of your quality timber supplier.

www.knapp-connectors.com/quatro65

QUATRO 65 Installation

- Pre-drilling and continuous positioning of the joint spacing with the mounting template



Pre-drill with the
template



Fasten to the boards
with screws



Fasten to the joists
with screws



QUATRO 65 as a spacer



Mount the final board

Deck landscape "Kaiserwasser" | Vienna (Austria)



Concealed | Self-tightening | Demountable

Z-DECK

Mount deck boards perfectly

Recommended for warped boards and spacing starting at 7 mm

NEW



Stainless steel CS-screws
A2 4.5x35 mm with cut-point

- Robust – 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 stainless steel



Requirements for decks

Board thickness	Connector / m ²	m ² / packaging unit
150 mm	approx. 28 piece	9 m ²
100 mm	approx. 40 piece	6 m ²

(For joist spacing of 500 mm)

Tips:

- Even the best connecting system cannot offset the poor quality of some timber. Please ensure that the timber is dry and in particular avoid timber from the core and spiral-grained boards.
- Pre-drill, particularly with hardwoods, such as oak.
- Follow the installation instructions of your quality timber supplier.

www.knapp-connectors.com/z-deck

Z-DECK Installation

Create the groove with the mortise profile router



NEW



Routing with the router
(optional)



Drive in



Screw in



The Z-DECK is
completely mounted

Contact / Order

Sales in Austria and exports:

☎ AT +43 (0)7474 / 799 10
✉ austriainfo@knapp-connectors.com

Sales in Germany:

☎ DE +49 (0)89 / 904 75 56-0
✉ germanyinfo@knapp-connectors.com



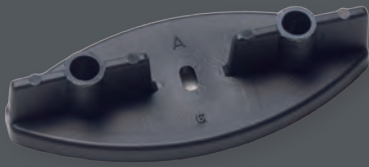
order 24h/24

▶▶▶ online-store

Eb-Ty® LC

Simple for perfect spacing

▮ For 6.5 mm of spacing



Stainless steel CS-screws
A2 4.5x55 mm with cut-point

- ▮ Concealed mounting
- ▮ Quick and easy mounting
- ▮ Integrated spacer guarantees even spacing
- ▮ UV and weather-resistant plastic



Requirements for decks

Board thickness	Connector / m ²	m ² / packaging unit
150 mm	ca. 15 pieces	16 m ²
100 mm	ca. 23 pieces	10 m ²

(For joist spacing of 500 mm)

Tips:

- ▮ Even the best connecting system cannot offset the poor quality of some timber. Please ensure that the timber is dry and in particular avoid timber from the core and spiral-grained boards.
- ▮ Recommended length of the boards: maximum 3 m.
- ▮ Pre-drill, particularly with hardwoods, such as oak.
- ▮ Follow the installation instructions of your quality timber supplier.

 www.knapp-connectors.com/eb-ty

Eb-Ty® LC installation

- ▮ Precisely set the depth to "20" with the lamella machine and the groove depth T using the fine adjustment.



Routing



Fastening with screws



Add the next board

Research at KNAPP®

- ▮ As of the beginning of 2010, the connecting systems, among other things, from KNAPP® are being tested on the grounds of the "Garten Tulln" (Austria) on a 300 m² test area with approx. 70 decks.
- ▮ Within the scope of the large-scale research deck, the various timber materials, coatings as well as deck connectors are being scientifically evaluated by the Austrian Institute of Wood Research (Holzforschung Austria – HFA).

Internal testing

- ▮ All of our deck connectors are mounted immediately after development and subjected to a long-term test on our own company's property.
- ▮ Take advantage of our passion of offering you optimal and concealed connectors for the deck of your dreams.



- ▮ Research deck on the grounds of the "Garten Tulln" (Austria).

We suggest adhering to the installation guidelines for deck construction set forth by the BDZ (Germany) or HFA (Austria) and the VEH.