



Walking barefoot over immaculate floorboards? Exposed wooden structures? High demands on safety and strength?

We offer connectors for many outdoor applications such as balconies, wooden decks, facades, pergolas directly exposed, wooden structures, garden fences, furniture, boat, and yacht interiors.

- ▮ Invisible installation from the first to the last deck board
- ▮ Flawless and smooth surfaces
- ▮ Allows for the swelling and shrinkage of wooden deck boards
- ▮ High quality and safety with stainless steel screws and connectors



Goetheturm in the Frankfurt-Sachsenhausen city forest



Covered deck



Yacht interiors



UNO 30



RICON®
Stainless steel A2



KNAPP®-
DOWEL



DUO 30
Stainless steel A5



QUATRO 65



Z-DECK



WALCO®



Country house "Am Dünenweg" | Wilkening (D)
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QUATRO 65

For decking boards and wall panels

Recommended for spacing no smaller than 7 mm

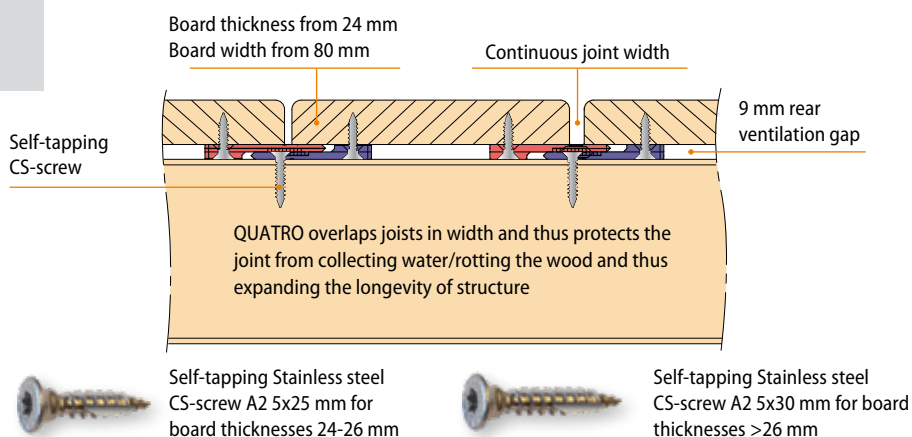


QUATRO 65/25
Art.-NO. K081

QUATRO 65/30
Art.-NO. K080

- Concealed from the first to the last board
- Constructive wood protection of the substructure against rotting
- Rear ventilation due to distance between boards and joists
- Used also for wooden facades and formwork
- Easy installation with installation template
- Allows swelling and shrinkage of the boards
- UV and weather resistant plastic

 www.knapp-connectors.com/en/quatro65



Self-tapping Stainless steel
CS-screw A2 5x25 mm for
board thicknesses 24-26 mm



Self-tapping Stainless steel
CS-screw A2 5x30 mm for board
thicknesses >26 mm

Approximate quantity per square meters

board width	pairs/m ²	m ² /package unit
150 mm	ca. 17 pairs	6 m ²
100 mm	ca. 25 pairs	4 m ²

Tips:

- Even the best connecting system cannot compensate for poor quality of wood. Make sure that the wood is dry and especially avoid boards from the core of the trunk and boards with a tendency to twist.
- Recommended length of boards: max. 3 m.
- Pre-drill, especially for hardwoods such as oak.
- Follow the installation recommendations of your quality wood supplier



PRODUCT

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



Use QUATRO 65 as spacer



Mount the final board



Z-DECK

For decking boards that are completely exposed to the weather

Recommended for rebated boards and gap of 7 mm or more

Z-DECK
Art.-No. K082



Self-tapping Stainless steel CS-screws
A2 4,5x35 mm

- Robust - even suitable for beach and boat decks
- Boards can be replaced quickly and individually
- Optimum wood protection through self-cleaning joint design
- More stable than visible screwing from above
- Increased resistance against twisting of the boards
- Connectors and screws made of stainless steel



Approximate quantity per square meters

board width	pairs/m ²	m ² /package unit
150 mm	ca. 28 pairs	9 m ²
100 mm	ca. 40 pairs	6 m ²

Tips:

- Even the best connecting system cannot compensate poor quality of wood. Make sure that the wood is dry and especially avoid boards from the core of the trunk and boards with a tendency to twist.
- Pre-drill, especially for hardwoods such as oak.
- Follow the installation recommendations of your quality wood supplier



PRODUCT

 www.knapp-connectors.com/en/z-deck

Z-DECK Installation

- Create groove with rebate groove profile cutter



Routing with the router (optional)



Drive in



Screw in



The Z-DECK is completely mounted



Garden fence with UNO 30 and TUCK



Garden furniture with KNAPP®-DOWEL



Wooden facades with UNO 30

KNAPP® connectors overview for indoor an outdoor use:



QUATRO 65

Quattro 65/25
Art.-No. K081

Quattro 65/30
Art.-No. K080

Z-DECK

Art.-No. K082



PRODUCT



PRODUCT



WALCO®

Connectors
for facades/wall
panels and
modules up
to 21,3 kN



PRODUCT



RICON® Stainless steel

Universal
connector,
stainless steel A5
Use class 3
in 15 sizes
from 66/16



PRODUCT



UNO 30 (Set)

hook connector set,
stainless steel

Art.-No. K117
UNO 30 Set



PRODUCT



NEW

DUO 30 Stainless steel A5

hook connector,
stainless steel A5

Art.-No. K350



PRODUCT



KNAPP®-DOWEL selftightening plastic dowel

Art.-No. K066
6x28 mm

Art.-No. K067
8x36 mm

Art.-No. K169
8x50 mm



PRODUCT

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