

# EVO-GRIP™

Flexible heavy-duty connector with load capacity up to 550 kN

# KNAPP®

connectors.com



patent by  
**KNAPP®**



**1** Connector plate made of high-strength aluminum.

**2** Short insertion path and sufficient freedom of movement for easy installation.

**3** The ribbed surface increases grip on the timber beam. The teeth embed into the wood during installation, enabling precise positioning without slipping thanks to angled screw connections. The extreme adhesion increases load capacity by up to 40%.

**4** Standard hole pattern for wood  
Steel/concrete connection.

**5** Centering Screw.

**| Applications:** concealed main-to-secondary beam and column connections

**| Connections:** wood-to-wood, wood-to-steel, wood-to-concrete

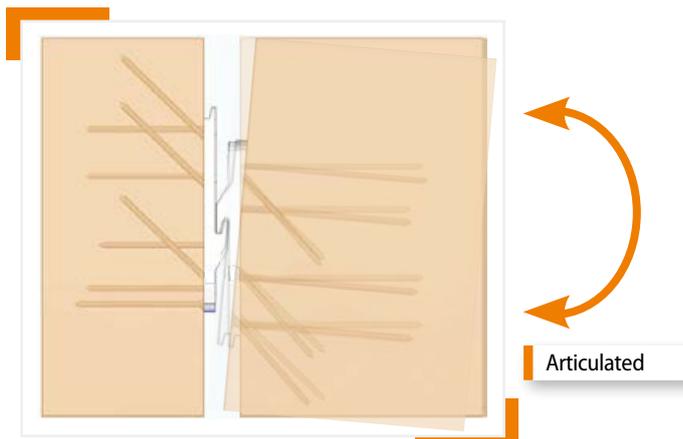
**| Fields of application:** engineered timber construction, multi-storey timber buildings

**| Service class 1–2**

**| Service class 3 is possible with specially coated screws**

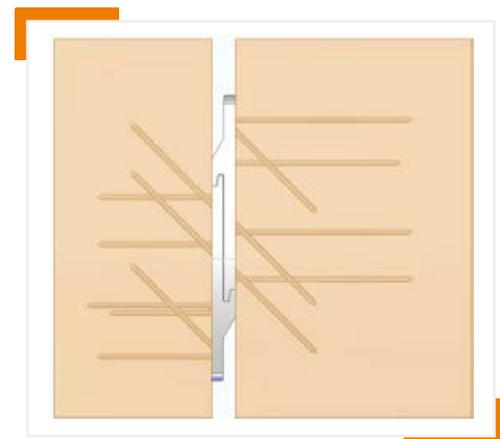
## | Solo version

- Specifically designed for high beams that deflect under load
- Articulated connection
- Often no transverse reinforcement required due to optimal screw arrangement.



## | Standard version

- Conventional hanging version for extreme loads



### Connecting Your Ideas ...

The EVO-GRIP™ main-to-secondary beam and column connector consists of two identical connector plates made of high-strength aluminum and is suitable for medium to extremely high loads (55 kN – 550 kN).

Thanks to its many flexible application options, the connector can be individually adapted to specific requirements. The ribbed back increases adhesion to the timber, allowing for fewer screws than usual.



#### Extremely versatile

Width and height can be parametrically adjusted to match beam dimensions and required load capacities.

#### Extremely high loads

The ribbed surface increases load capacity by up to **40%** compared to a smooth surface. Allows for fewer screws while maintaining the same load performance.

#### Variable drilling pattern

*Depending on the requirements*

For wood, concrete, or steel connections

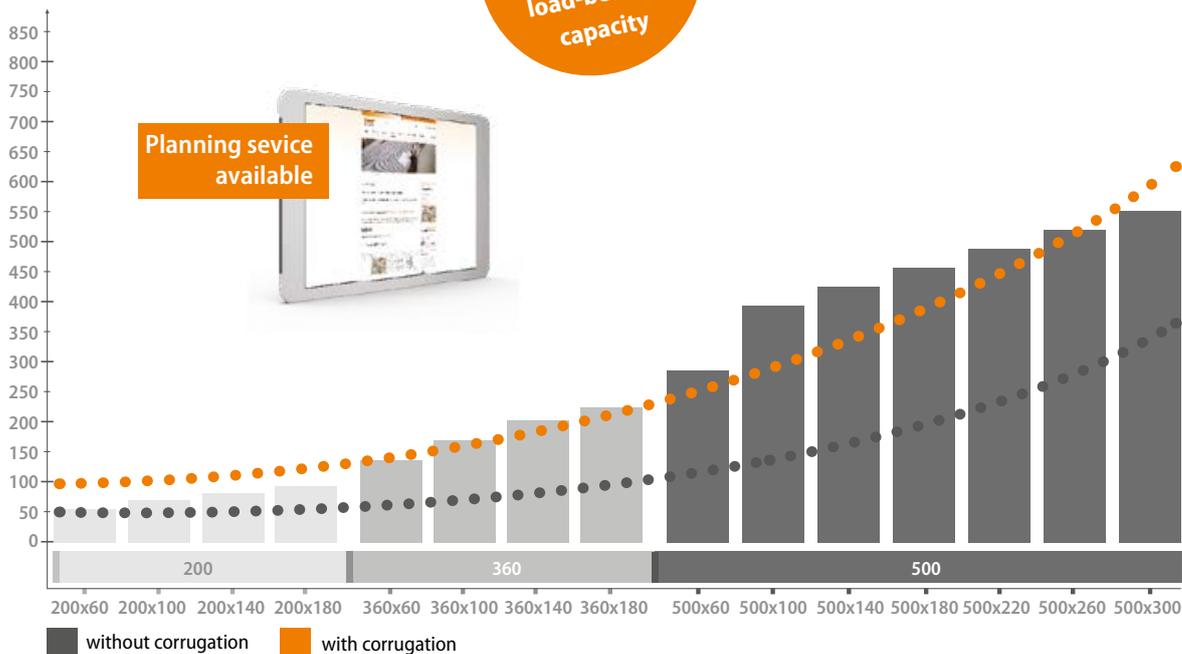
#### Standard and solo version

#### Easy installation

Increased insertion play compensates for construction tolerances

Characteristic load-bearing capacity [kN]

With corrugation, up to **40%** higher load-bearing capacity



PRODUCT



VIDEO



WEBSITE



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