

## Connectors 88010.0000



### Technical data

|                                                                                         |                   |
|-----------------------------------------------------------------------------------------|-------------------|
| Dimensions W x H x D (mm)                                                               | 25 x 100 x 12     |
| Number of screws                                                                        | 12                |
| Usable screw size                                                                       | Ø4,5 x 50 - 80 mm |
| Minimum timber dimensions with screws Ø4,5x50 mm on the secondary beam                  | 45 x 110 mm       |
| Minimum timber dimensions with screws Ø4,5x50mm on the main beam                        | 60 x 110 mm       |
| Characteristic load-bearing capacity* in the insertion direction with screws Ø4,5x50 mm | 9,57 kN           |
| Characteristic load-bearing capacity* in the insertion direction with screws Ø4,5x80 mm | 15,28 kN          |
| VPE                                                                                     | 20                |

Optimal distances to the edges and variable screws length ensure accuracy of fit for each timber section.

\* Further static values can be found in our statics book or the ETA 15/0187.

\*\* Steel failure decisive Values in brackets for service class 3\* Further static values can be found in our structural analysis book or the ETA 15/0187.

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### Static values

| Effektive Gewindelänge ( $l_{ef}$ ) |               | Mindestquerschnitt (mm) |        |      |        | Charakteristische Tragfähigkeit $R_k$ (kN)     |            |            |            |            |                                                          |            |            |            |            |
|-------------------------------------|---------------|-------------------------|--------|------|--------|------------------------------------------------|------------|------------|------------|------------|----------------------------------------------------------|------------|------------|------------|------------|
|                                     |               |                         |        |      |        | Vollholz C24 ( $\rho_k = 350 \text{ kg/m}^3$ ) |            |            |            |            | Brettschichtholz GL24h ( $\rho_k = 385 \text{ kg/m}^3$ ) |            |            |            |            |
|                                     |               | HT                      |        | NT   |        |                                                |            | NT         |            | HT         |                                                          |            | NT         |            | HT         |
| Schrauben                           | $l_{ef}$ (mm) | Höhe                    | Breite | Höhe | Breite | $F_{2,Rk}$                                     | $F_{3,Rk}$ | $F_{4,Rk}$ | $F_{4,Rk}$ | $F_{1,Rk}$ | $F_{2,Rk}$                                               | $F_{3,Rk}$ | $F_{4,Rk}$ | $F_{4,Rk}$ | $F_{1,Rk}$ |
| 4,5x50 mm                           | 44 mm         | 110                     | 60     | 110  | 45     | 8,87                                           | -          | 7,51       | 11,87      | 6,01       | 9,57                                                     | -          | 7,88       | 12,45      | 6,49       |
| 4,5x60 mm                           | 54 mm         | 120                     | 70     | 120  | 45     | 10,66                                          | -          | 7,51       | 11,87      | 7,23       | 11,51                                                    | -          | 7,88       | 12,45      | 7,80       |
| 4,5x80 mm                           | 74 mm         | 140                     | 90     | 140  | 45     | 14,16                                          | -          | 7,51       | 11,87      | 9,59       | 15,28                                                    | -          | 7,88       | 12,45      | 10,35      |

\* Further static values can be found in our statics book or the ETA 15/0187.

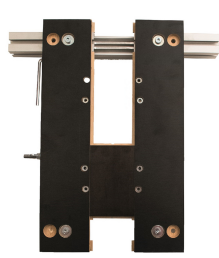
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### Accessoires



**50934.1000**  
Grooving cutter Ø 10 mm



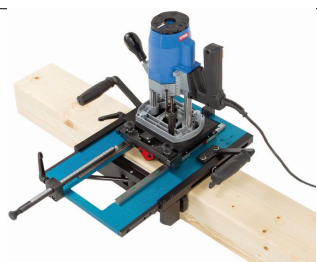
**58000.0000**  
Milling and assembly  
template for connectors  
88004 - 88322



**58396.0000**  
Collet holder



**58396.0008**  
Collet Ø 8 mm



**58399.0000**  
Milling unit composed of  
Milling bit, milling template  
and hand overhead...



**99111.4550**  
Countersunk screw V2A  
4,5 x 50 mm



**99111.4560**  
Countersunk screw V2A  
4,5 x 60 mm

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