

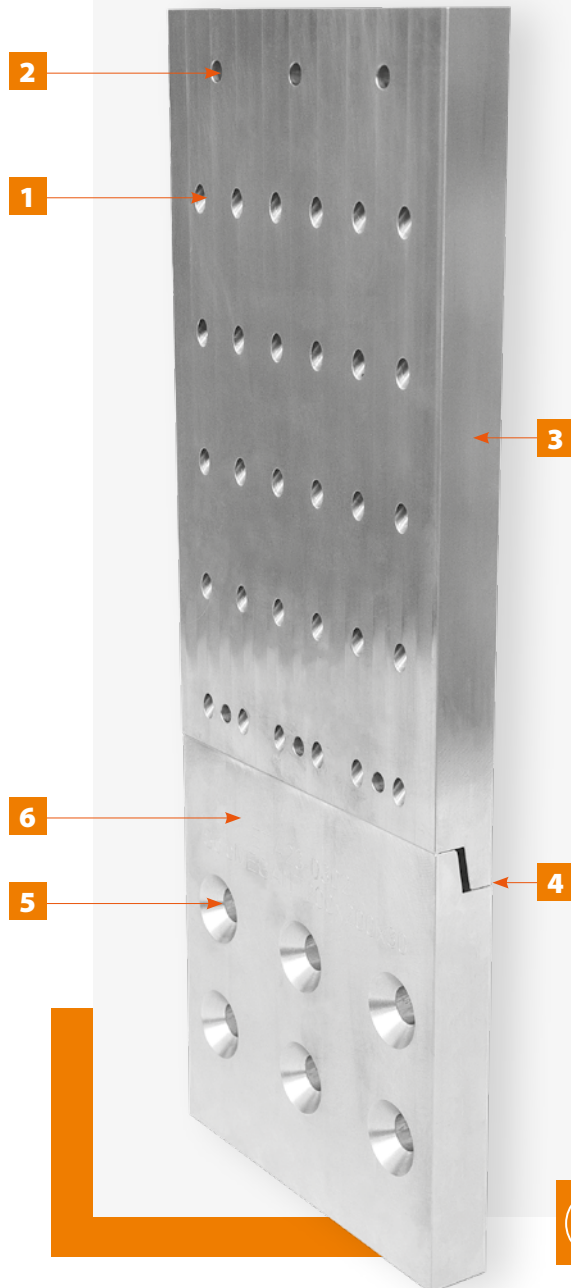
# MEGANT® S

Flexible connector for extreme loads

**KNAPP®**  
connectors.com



- | Hinged connection
- | Transmitting extreme loads
- | Hidden or visible assembly
- | Tolerance on beam length up to 4.4 mm per connector
- | Well suited for long beams



- 1** 45° inclined holes for 8 mm/10 mm wood screws. Optional drilling gauges available for hardwood.
- 2** Horizontal holes for positioning the connection plate.
- 3** High-strength aluminium connection plate 30 mm thick, to transmit forces to the secondary beam up to 950 kN.
- 4** The flexible joint contains sufficient freedom of movement to compensate the bending of the secondary beam and any length tolerances of up to 4.4 mm per connector.
- 5** Horizontal holes for M16 countersunk screws.
- 6** Bottom connection plate for fixing to main beams or columns, in wood, steel or concrete.

## Available in four sizes and two versions:

Wood to wood connection versions:  
1180x200x30 and 680x200x30

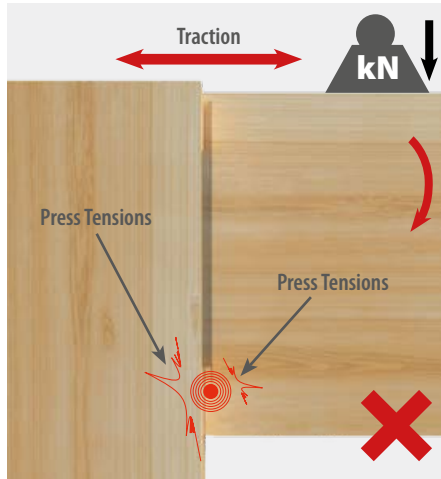
Wood to steel or concrete connection versions:  
930x200x30 and 530x200x30



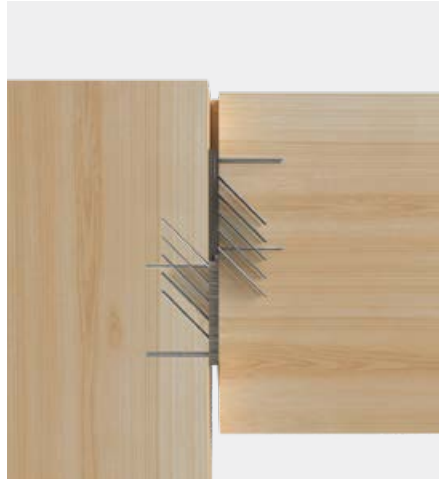
patented by  
**KNAPP®**

# MEGANT® S - Flexible connector for extreme loads

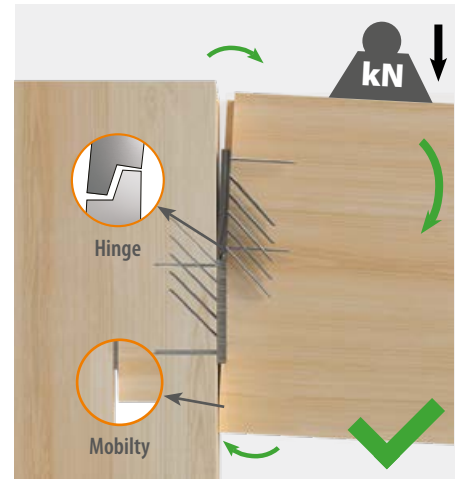
## Beams' flexing comparison



Stiff, non-articulated connection



MEGANT® S – Not strained



MEGANT® S – Bending of the secondary beam due to the load pressure

### WOOD TO CONCRETE



### WOOD TO WOOD



### WOOD TO STEEL



## Force transmission up to 950 kN

MEGANT® S, the latest extension to the MEGANT® connectors' family, has been designed for constructions which require the transmission of high loads, up to 950 kN.

Thanks to its streamlined, ingenious design, it allows the secondary beam to bend under load, avoiding any problems with the torsion spring stiffness. The MEGANT® S connector is an ideal solution for long glue laminated beam connections.

MEGANT® S is made up of two overlapping connection plates and can be used to fix timber beams to all usual construction materials:

- **Wood to wood connections**
  - Solid structure timber (softwood or hardwood)
  - Glued laminated timber (softwood or hardwood)
  - Laminated veneer lumber (Kerto / BauBuche)
- **Wood to steel connections**
- **Wood to concrete connections**

## MEGANT® S in numbers

950	4,4 mm	20 mm	30 mm
kN	Tolerance	Hook way	Plate thickness

