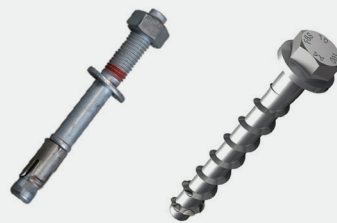




ADDITIONAL *OPTIONS*

STANDARD FASTENERS IN COMBINATION WITH

- Concrete expansion anchors
- Concrete screws
- Chemical and bonded dowels



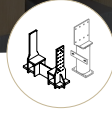
Subsequent flush fit with cast concrete



Welded base with set bolts



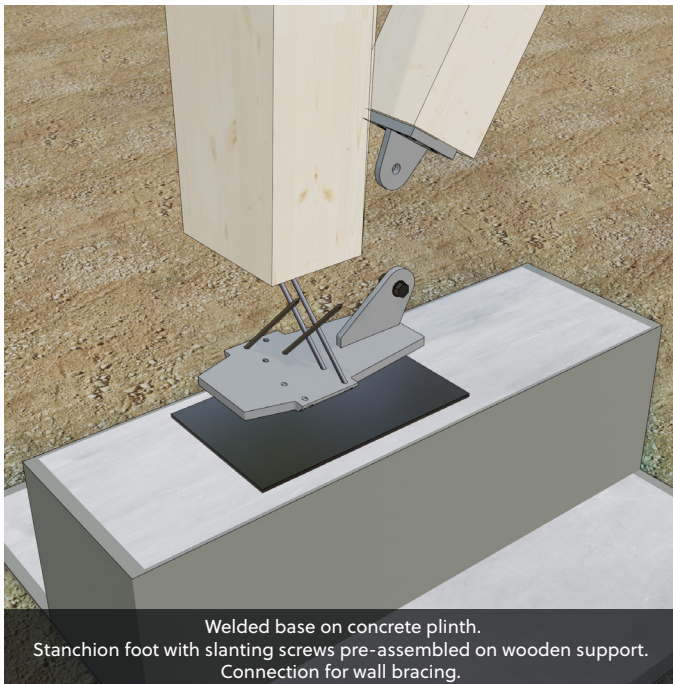
Steel foot in concrete foundation



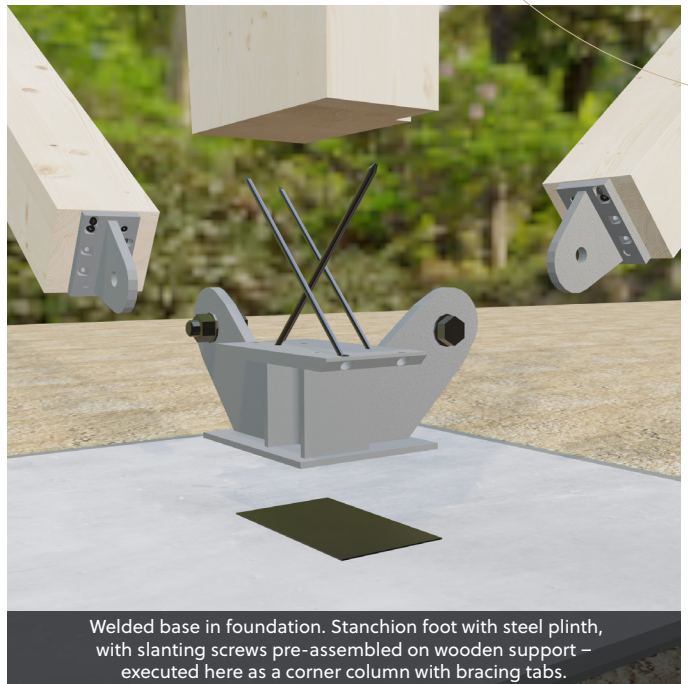
ARTICULATED COLUMNS

- Building reinforcement by means of bracing or panel formation

Use: Rocking-pier halls, gable stanchions



Welded base on concrete plinth.
Stanchion foot with slanting screws pre-assembled on wooden support.
Connection for wall bracing.



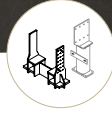
Welded base in foundation. Stanchion foot with steel plinth,
with slanting screws pre-assembled on wooden support –
executed here as a corner column with bracing tabs.



Stanchion foot with slanting screws pre-assembled on wooden support –
tabs for bracing possible.
Structural tolerance compensation with millimetre plate and
subsequent filling with grouting mortar possible.



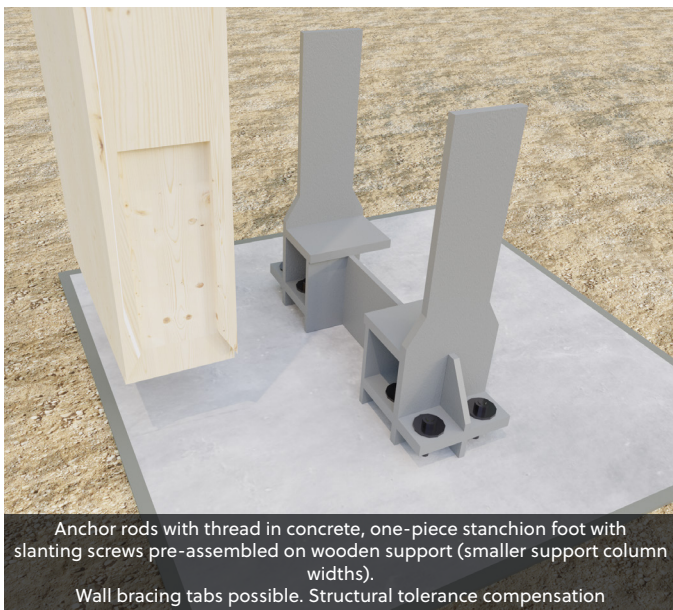
Stanchion foot with slotted plate and rod dowels and locating bolts.
Tabs for bracing possible.
Structural tolerance compensation possible – here with connection plate
for concrete facing formwork.



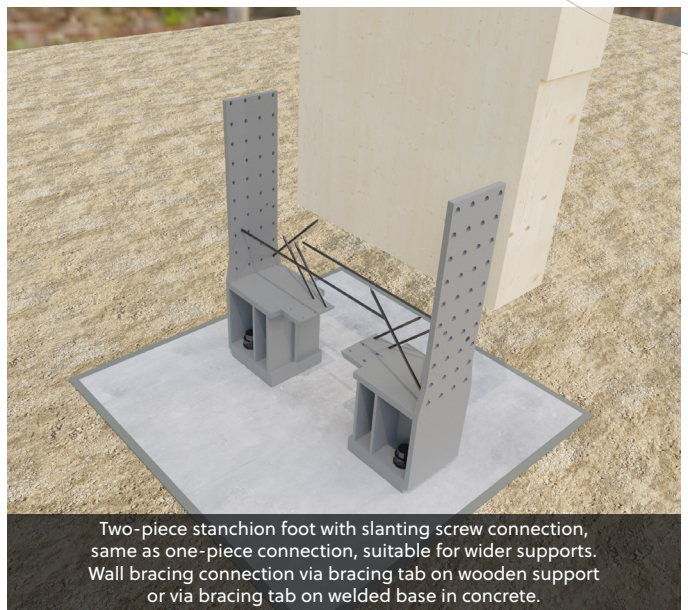
SUPPORT FIXED ON ONE SIDE

- Absorbs torque in one axial direction (mostly over support structure width)
- Can be reinforced with wall bracing in longitudinal direction of the hall

Use: Load-bearing supports, rigid connection to GLT beams also possible (gable bearing, frame corner, etc.)



Anchor rods with thread in concrete, one-piece stanchion foot with slanting screws pre-assembled on wooden support (smaller support column widths).
Wall bracing tabs possible. Structural tolerance compensation



Two-piece stanchion foot with slanting screw connection, same as one-piece connection, suitable for wider supports.
Wall bracing connection via bracing tab on wooden support or via bracing tab on welded base in concrete.



Wooden support with bonded threaded rods, welded base integrated in foundations, foot steel part calibrated and welded all round on the building site.



For support columns without steel plinth (interior or on concrete plinth).
Connection via slanting screws, support steel part integrated in foundation with threaded rods.

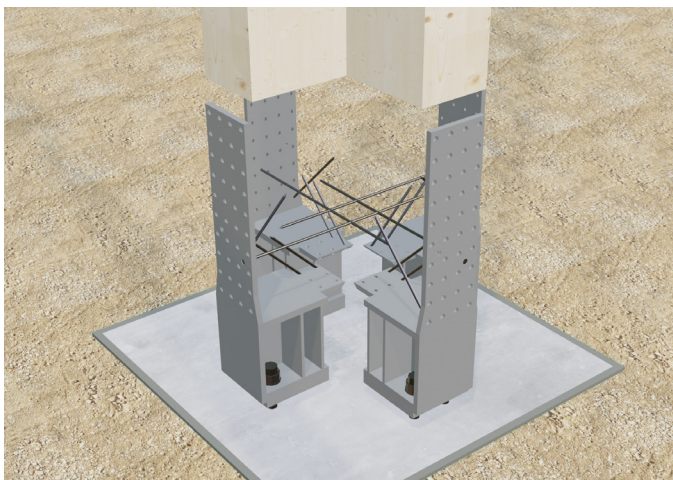


SUPPORT FIXED ON BOTH SIDES

CROSS SUPPORT

- Absorbs torque in two axial directions
- No need for additional bracing
- Bolted and/or block-bonded

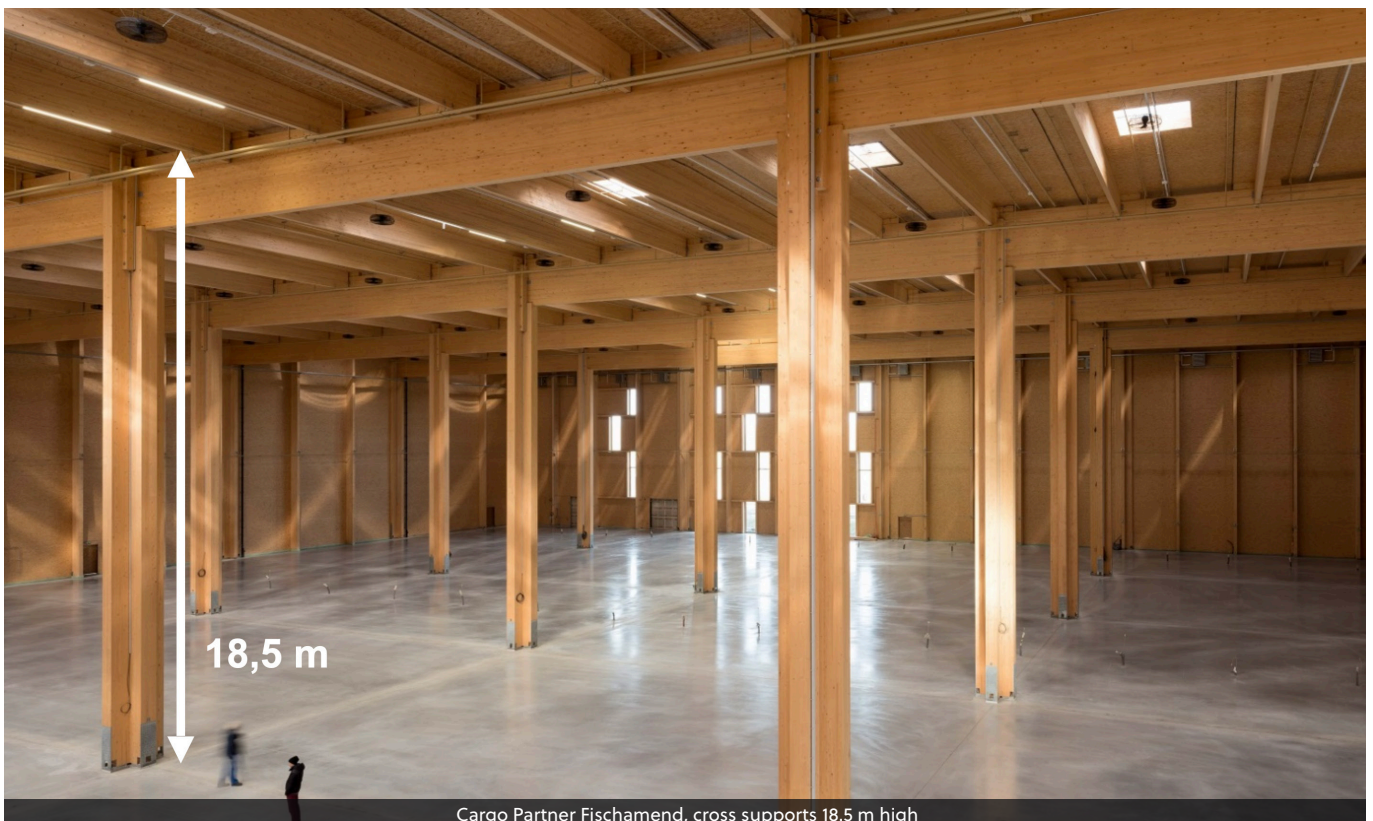
Use: Reinforcing supports, as a replacement for reinforced concrete supports



Cross support with steel plinth (multi-part), connection with slanting screws, block-bonding or the wooden parts, anchor rods with thread in concrete. Structural tolerance compensation with adjusting nuts under steel part and subsequent grouting mortar.



Cross support without steel plinth, in interior (no exposure to weather). Slanting screw connection and threaded connection of wooden parts. Anchor rod with thread in concrete or base plate with female thread integrated in foundation.



Cargo Partner Fischamend, cross supports 18.5 m high



SPECIAL SUPPORT COLUMNS

We offer a wide selection of special support columns to meet the most demanding architectural requirements. These can be designed either as articulated columns or as fixed supports.

- V or Y-support columns
- Round support columns
- Free-form support columns



Tesco Banbridge
Y-stanchion with slotted plate/rod dowel connection



Neuschönau tree tower
Curved stanchions with walkway beams



University of Reading, arched façade supports
General butt joint on building site



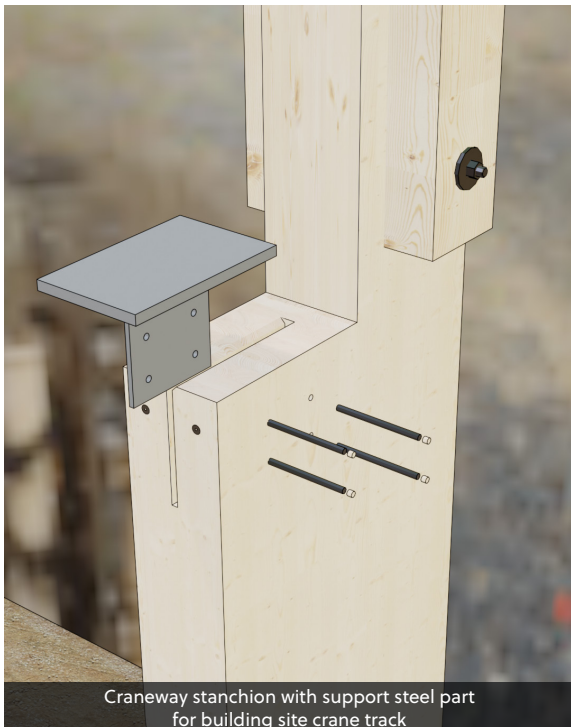
Omagh Leisure Centre
Round support columns with tree structure



CRANEWAY STANCHIONS

ECONOMICAL AND STRUCTURALLY OPTIMISED SOLUTIONS FOR CRANEWAY STANCHIONS AND BEAMS

In the case of fire protection requirements, the steel parts are provided with a fireproof coating and the fasteners protected with cover panels. Block-bonded cross-sections also allow comparatively high overhead clearances to be achieved with a compact construction method.



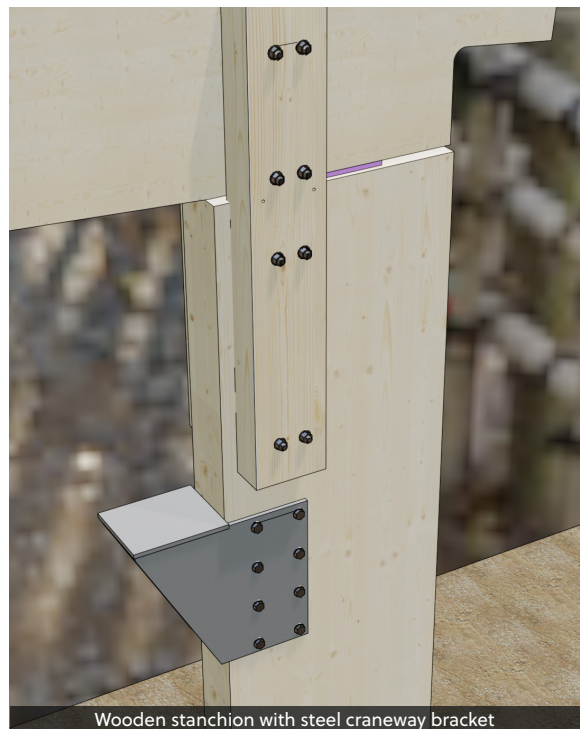
Craneway stanchion with support steel part for building site crane track



Wooden support with notch for GLT craneway
Block-bonded cross-section: 480 x 990 mm
Heavy-duty crane with loads up to 16 tonnes



Bearing bracket in GLT design
Block-bonded craneway: 400 x 690 mm
Heavy-duty crane with loads up to 16 tonnes



Wooden stanchion with steel craneway bracket