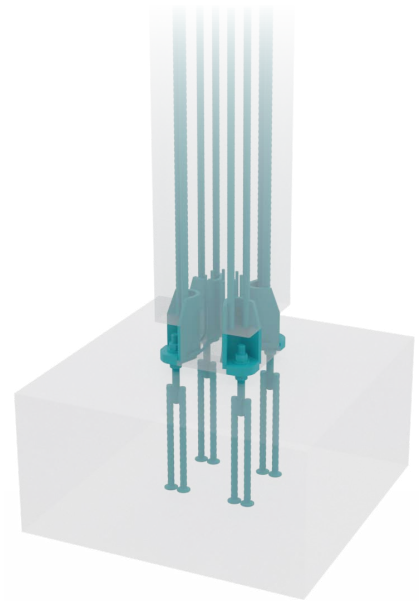


BOLDA® Column Shoe

Strong and Optimized Bolted Column Connections

- Full-scale tested and approved connection – bending, stiffness, shear and fire resistances
- Safe, simple and quick erection of precast column with no bracing and welding
- Fast and cost-efficient column assembly with reduced man- and crane-hours
- Design efficiency using Peikko Designer® software
- Advanced casting process with the help of standard accessories
- Column assembled in 10 minutes
- Covered and verified by European Technical Assessment (ETA)
- CE marked high performance Column Shoe



BOLDA® Column Shoes are construction products to form fast and safe connections between precast concrete columns and foundations, or between precast concrete columns. BOLDA® Column Shoes are used with PPM® High-Strength Anchor Bolts or COPRA® Anchoring Couplers to create moment-resisting column connections under heavy loading conditions.

The standard bolted column connection is made using column shoes and anchor bolts. The column shoes are cast into precast concrete column, while anchor bolts are cast into the foundation or another column. On the construction site, the columns are erected onto the anchor bolts and adjusted to the correct level and vertical position. Fixing is achieved by tightening nuts on the anchor bolts. The joint between the column and the structure below should be grouted before the column is loaded. The connection acts as a reinforced concrete structure after the grout has reached the designed strength.

The main advantage in using bolted connections is that an immediate connection is made with a small crew. Column is installed without temporary bracing only by leveling and tightening the nuts.

With a help of standard accessories casting process is quick and easy both at precast factory and construction site. Solution is cost-efficient by final savings coming from reduced excavation depth of the foundation, simplified supplementary reinforcement frame and less man- and crane-hours.



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