



PLANBAR HOLLOWCORE

High performance design. Optimised for production.

PRECAST | SOFTWARE
engineering
A NEMETSCHEK COMPANY



THINK IN NEW DIMENSIONS

Software & Services for Industrialised Construction

Precast Software Engineering offers a software that connects flexibility of geometrical design and sophisticated options for detailing with the requirements of production.

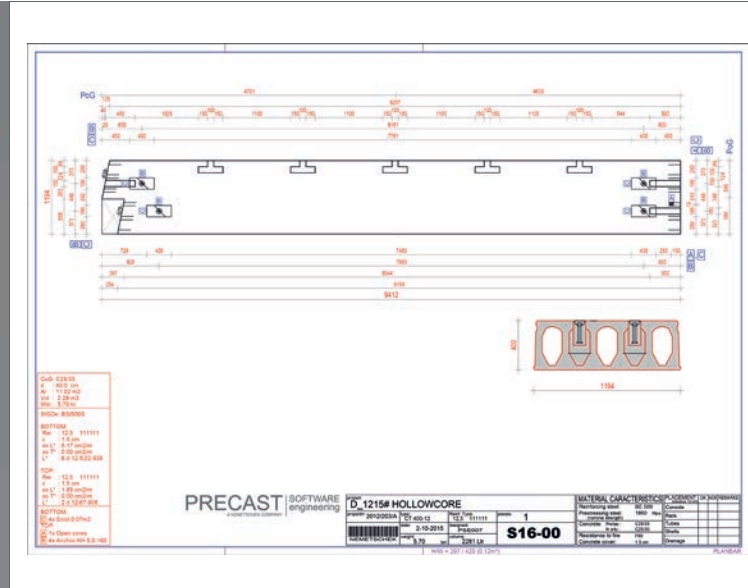
Configuration according to plant setup, perfectly layouted associative drawings and accurate production data enable an efficient, error-free workflow from design to production.

PLANBAR HOLLOWCORE PACKAGE

- **PLANBAR BIM / CAD base with intelligent building model, comprehensive design tools and multiple data exchange options**
- **Dedicated functionality for hollowcore floors**
- **Perfectly integrated with production (CAD-CAM)**

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Echo demo works, Houthalen (Belgium) © Echo Precast Engineering

Input and processing

- Comprehensive geometry import options (IFC, DWG, DXF, DGN, PDF etc.)
- Hybrid 2D/3D design options
- Recognition system for ceiling geometry; span direction and individual structural conditions for edge supports
- Parametric and simple user-defined entry of open/closed cores, hammer ends, insulation material combined with concrete pads, and more
- Calculation / optimisation of openings
- Reinforcement & fixtures with collision check
- Panelisation according to production requirements
- Benching: Optimisation of supports for production

Results

- Overview drawing, layout plan for assembly
- Elementplan: Associative drawings created automatically from the model, with permanent consistency of model and drawing
- Reports and lists
- Data output for production (PXML / UNI / HPGL / BVBS)

