

SOFICAD Reinforcement is the modern drawing tool used to generate reinforcement drawings with AutoCAD and Autodesk Architectural Desktop.

The modular software of the SOFISTIK AG supports the entire planning process, starting with the architect's plans, from which the structural analysis is made, up to the constructive reinforcement for civil engineering. The redundancy free data exchange and the ease of learning to work with the world's leading CAD-standard, AutoCAD and ADT, are the future building stones of modern interoperable constructional engineering.

General

- Arranging the reinforcement in 3D
- Seamless integration into AutoCAD and ADT
- Any AutoCAD editing command can be applied to reinforcement objects
- Short adjustment period, easy to learn
- Right-click menu
- Easy modification of the arranged reinforcement
- Automatic adjustment when stretching building components
- Working with styles allows a very flexible adjustment of the display, easy generation of „office norms“
- Easy to find any position, by means of browsing
- Quantities will be determined automatically. Recalculation is unnecessary when changes are made.
- Automatic or manual specification of position numbers
- Visible multiplier for the arrangements, which should be counted several times or not at all.
- Steel list and bending schedules can be generated by the application
- Mats and steel diameters can freely be defined in an external file
- Seamless integration with SOFISTIK FEA Analysis
- Import of Analysis Results

- Export of the „real“ reinforcement to the FEA Analysis for the 2nd order theory analysis

Steel Bar Reinforcement

- Automatic consideration of the concrete cover
- Steel bar sections will optionally be displayed in their real form, including theapropriate mandrel- and bar-diameter.
- Due to X-irons, any steel shape is allowed
- Connecting elements with separated analysis in the steel list
Spacers will automatically be generated for two-layered reinforcement
- Integration of any bending shape according DIN 1356 Part 10 and EN ISO 3766

Mesh Reinforcement

- Arbitrary mesh fields are possible with various editing commands
- Generation of project related mesh lists
- Stirrup meshes with arbitrary shape
Features
- Entry of stirrup meshes with consideration of the concrete cover
- Intuitive grip editing with dynamic dimensioning

Macros

- Building components: Column, Stairs, Foundation and Continuous Beams
- Interface to the SOFISTIK Analysis programs for Columns / Beams
- Automatic generation of shop and reinforcement drawings for standard building components
- Entry via „WIZARD“ or SOFISTIK CADiNP file
- General CADiNP Macro for the creation of templates for shop and reinforcement drawings

