BALKEN – Analysis and Design of Continuous Beams

- Modern user interface with menu ribbon, tree structure and tables
- Different materials: reinforced concrete - prestressed concrete - structural steel - timber
- Efficient and quick input for simple systems
- Verification according to DIN and EN with national annexes for DE, AT, SK/CZ & UK
- Load forwarding and transfer from other stations
- Clear control and configuration of the program
- Independent language setting for input and output
- Result report with integrated graphics and diagrams
- Upgraded display via short list, long list and detail list
- Verification overview with all essential information
BALKEN - Versatile system input and load functions

Modern graphic-interactive working environment

Properties Table

Different types of load cases
BALKEN - Continuous beam reinforced concrete

Analysis of different cross-sections

Slab
Rectangle
General CS
T-beam
Upstand beam
BALKEN - Detail proofs for reinforced and prestressed concrete

Recesses according to DAfStb-399/599 and DAfStb-459

Design of geometrical discontinuity areas
BALKEN - Two-span beam with subsequent prestressing

Prestressed concrete design considering creep, shrinkage and relaxation

Prestressing with up to 4 prestressing conditions per side including wedge slip
I-, T-, U-, O- and rectangular hollow profiles from the profile database and welded, symmetrical profiles

Optional elastic support

rectangular sections out of softwood, hardwood and glued-laminated timber
BALKEN - Configurable result output

The list output can be easily configured using markers in the table of contents

configurable for each office
BALKEN - Clear and verifiable result list with graphics

Different diagrams to display the results

Clear and comprehensible output of results

Analysis for each discontinuity area