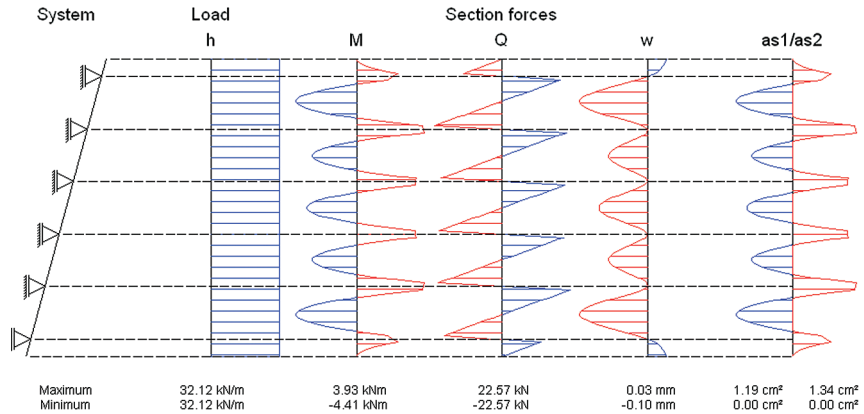


Analysis of soil nailings

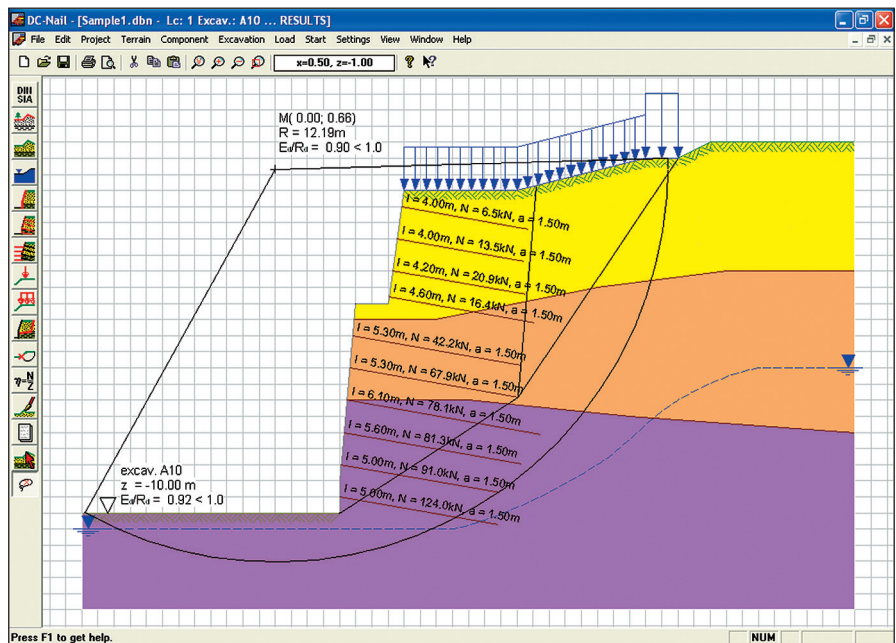
DC-Nail

- Analysis of soil nailings acc. to Eurocode 7, DIN 1054:2010, DIN 1054:1976, SIA 267
- Design of the shotcrete wall acc. to Eurocode 2, DIN 1045-1, DIN 1045, OENORM B 4700, SIA 262, BS 8110
- Analysis with partial safety factors or with global safety
- German, English, French, Italian, Spanish language



Section forces and reinforcement

- Analysis according to the general block sliding approach
- Determination of the internal and external stability
- Earth pressure calculation according to Culmann for arbitrary ground and soil layer courses
- Customizable wall course with grading
- Free ground-water courses
- Arbitrary excavation conditions with automatic generation, unlimited number of nail rows, optional earth-pressure redistribution
- Load cases with concentrated and distributed loads



Nail forces and slope stability analysis

- Determination of the nail forces and safeties
- Calculation of the nail lengths and diameters
- Design of the shotcrete wall optionally as slab or continuous girder
- Punching design at the nail-head plate
- Stability analysis: bearing capacity and slope stability analysis
- Graphical display: excavations and load cases, nail geometry, section forces, reinforcement

