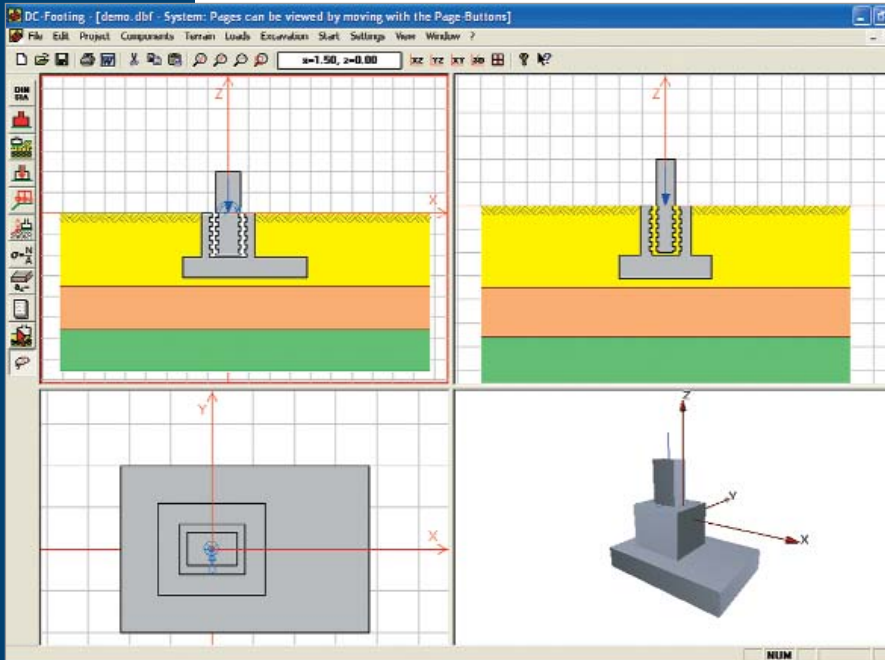


Design of footings

DC-Footing



4 window display with selectable views (xz, yz) and top view, 3D view

- Analysis of single, strip and circular footings, block and sleeve footings
- German, English, French program version
- Automatic load case superposition acc. to DIN 1055-100, SIA 260 for the design
- Load cases acc. to 1054:2005 for foundation engineering checks
- Design of reinforced concrete acc. to DIN 1045-1, ÖNORM B 4700, SIA 262, British Standard BS 8110 and Indian IS 456
- Design for bending, shear force, punching and foundation sleeve
- Excavation stages with different bonding and slopes on 4 sides
- Calculation of the highest-loaded quarter for the punching design with eccentric loads

| | Sliding T/R_s | Bear. cap. N/R_s | max settlement [mm] | A_x bottom [cm ²] | A_y bottom [cm ²] | A_x top [cm ²] | A_y top [cm ²] | | |
|--------------------------|--------------------------------------|--|---------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------------|------------------------------|
| | 0.00 | 0.10 | 0.0 | 12.4 | 16.5 | 0.0 | 0.0 | | |
| | 0.12 | 0.17 | 1.2 | 12.4 | 16.5 | 0.0 | 0.0 | | |
| | 0.10 | 0.31 | 2.2 | 21.9 | 16.5 | 0.0 | 0.0 | | |
| NUM | | | | | | | | | |
| 4 | 176.3 | 182.4 | 0.04 | 0.26 | 1.9 | 17.6 | 16.5 | | |
| 5 | 187.0 | 211.8 | 0.10 | 0.31 | 2.2 | 20.6 | 16.5 | | |
| 6 | 78.7 | 80.9 | 0.00 | 0.11 | 0.8 | 12.4 | 16.5 | | |
| 7 | 96.1 | 122.4 | 0.12 | 0.19 | 1.2 | 12.4 | 16.5 | | |
| 8 | 187.0 | 211.8 | 0.10 | 0.32 | 2.2 | 23.4 | 16.5 | | |
| 9 | 176.3 | 182.4 | 0.04 | 0.27 | 1.8 | 18.1 | 16.5 | | |
| 10 | 187.0 | 211.8 | 0.10 | 0.32 | 2.2 | 22.1 | 16.5 | | |
| 11 | 78.7 | 80.9 | 0.00 | 0.10 | 0.8 | 12.4 | 16.5 | | |
| 12 | 96.1 | 122.4 | 0.12 | 0.18 | 1.2 | 12.4 | 16.5 | | |
| 13 | 187.0 | 211.8 | 0.10 | 0.32 | 2.2 | 21.9 | 16.5 | | |
| 14 | 176.3 | 182.4 | 0.04 | 0.27 | 1.9 | 17.5 | 16.5 | | |
| 15 | 187.0 | 211.8 | 0.10 | 0.32 | 2.2 | 20.5 | 16.5 | | |
| 16 | 78.7 | 80.9 | 0.00 | 0.11 | 0.8 | 12.4 | 16.5 | | |
| 17 | 96.1 | 122.4 | 0.12 | 0.20 | 1.2 | 12.4 | 16.5 | | |
| 18 | 187.0 | 211.8 | 0.10 | 0.33 | 2.2 | 23.3 | 16.5 | | |
| 19 | 176.3 | 182.4 | 0.04 | 0.28 | 1.9 | 18.0 | 16.5 | | |
| 20 | 187.0 | 211.8 | 0.10 | 0.33 | 2.2 | 22.0 | 16.5 | | |
| Critical results: | | | | | | | | | |
| | Normal base pr. [kN/m ²] | max base pressure [kN/m ²] | Sliding T/R_s | Bear. cap. N/R_s | max settlement [mm] | A_x bottom [cm ²] | A_y bottom [cm ²] | A_x top [cm ²] | A_y top [cm ²] |
| | 187.0 | 211.8 | 0.12 | 0.33 | 2.2 | 23.4 | 16.5 | 0.0 | 0.0 |

- Foundation engineering checks: overturning, sliding, bearing capacity, soil pressure and settlement acc. to DIN 1054 (1976), DIN 1054:2005 and SIA 267
- Automatic optimization of the footing geometry (width and depth)
- Extensive compilation of all load case combinations or short print
- Selection of the desired graphics: side views, top view and/or 3D view

Result output in table form