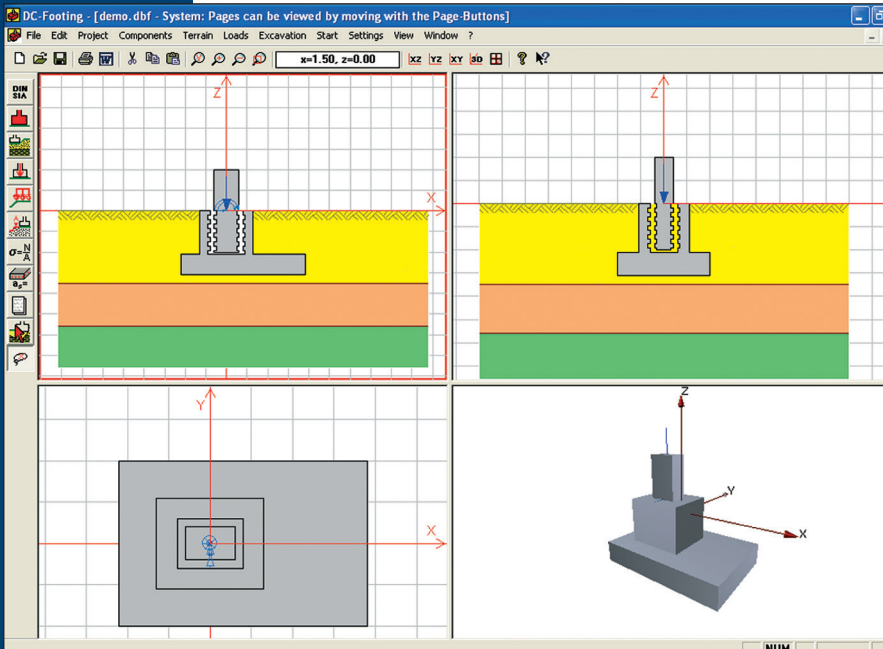


Design of footings

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, Romanian, Hungarian language
- Automatic load case superposition acc. to Eurocode 0, SIA 260 for the design
- Load cases acc. to DIN 1054:2010 for foundation engineering verifications
- Design of reinforced concrete acc. to Eurocode 2, DIN 1045-1, OENORM B 4700, SIA 262 and British Standard BS 8110
- 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	0.8	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	20.8	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	1.9	19.1	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

Result output in table form

- Foundation engineering verifications: overturning, stability, bearing capacity, soil pressure and settlement acc. to Eurocode 7, DIN 1054:2010, DIN 1054:1976 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