

Load plate pressure test DCLOAD

- Load plate pressure test acc. to DIN 18 134, SN 670 317b
- German and English program version

Soil pressure in MN/m ²	Settlement s in 0.01 mm	Soil pressure in MN/m ²	Settlement s in 0.01 mm	Soil pressure in MN/m ²	Settlement s in 0.01 mm
0.080	7	0.250	113	0.080	81
0.160	20	0.120	95	0.160	88
0.240	31	0.000	75	0.240	97
0.320	53			0.320	104
0.400	80			0.400	115
0.450	96			0.450	123
0.500	128				

- Optional determination of deformation modulus E_v or modulus of foundation k_s
- Evaluation of E_{v1} , E_{v2} , E_{v3} , E_{v2}/E_{v1} , comparison with obligatory values
- Input of measurement with 1 or 3 gauges

- Loading as force / manometer reading or soil pressure, settlement in mm or 1/100 mm
- Optional display with measure values
- Adjustable minimal range for the diagram

Presentation of the measure values

Evaluation

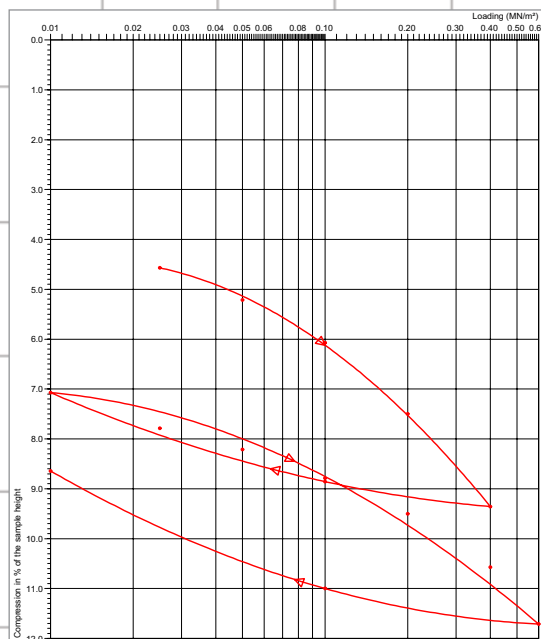
Max. Sigma ₁	Curve	Parameter a ₁	Parameter a ₂	E _v	Plate d = 300 mm
0.500	1	-0.26	5.18	E_{v1} = 96.8 MN/m²	E_{v2} = 2.13 E _{v1}
0.500	2	0.66	0.87	E_{v2} = 206.3 MN/m²	
Requirement:		E _{v2} ≥ 200.0 MN/m ²	E _{v2} /E _{v1} ≤ 2.50	fulfilled: yes	

Compression test DCPRESS

- Oedometer test acc. to EN ISO/TS 17892-5
- German and English program version
- Input of force or soil pressure, settlement in mm or 1/100 mm
- Logarithmic presentation
- Evaluation of arbitrary load areas for the modulus of compressibility
- Optional presentation with measure values
- Adjustable minimal range for the diagram

Definition of
Measurement
Humid p
Mass c
Mass
Prob

Settlement s (mm)



Max. Sigma ₁	Curve	Coefficients of compressibility (MN/m ²)		E _v	Pressure-Settlement-Line
0.500	1	0.10 - 0.20	7.12	10.22	96.8 MN/m² E _{v2} = 2.13 E _{v1}
0.500	2	0.20 - 0.40	10.93	16.95	
Requirement:		0.40 - 0.60	25.00		
		0.66	0.87	E_{v2} = 206.3 MN/m²	fulfilled: yes